Exhibit 2

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1	IN THE UNITED STATES DISTRICT COURT
	DISTRICT OF NEW JERSEY
2	MDL NO. 16-2738 (MAS)(RLS)
3	
	IN RE: JOHNSON :
4	TALCUM POWDER PRODUCTS :
	MARKETING, SALES PRACTICES, :
5	AND PRODUCTS LIABILITY :
	LITIGATION :
6	
7	
8	Remote deposition of DAVID A.
9	KESSLER, M.D., taken in the above-entitled
10	matter before Suzanne J. Stotz, a Certified
11	Court Reporter (License No. 30XI00184500) and
12	Notary Public of the State of New Jersey, taken
13	on Monday, April 8, 2024, commencing at
14	9:09 a.m. EDT.
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1 APPEARANCES:	Page 2	1	INDEX	Page 4
2 ATTORNEYS FOR PLA	AINTIFF:	2	INDEA	
3 (Via videoconference		3	EXAMINATION Page No.	
BEASLEY ALLEN I 4 BY: LEIGH O'DELI		4	2	
	I. THOMPSON, ESQ., and	5	BY MR. EWALD 8	
5 BY: KELLI ALFREI		6	DT MK. EWALD 0	
BY: LEANNA PITT 6 218 Commerce Street		7		
Montgomery, Alaban		8	EXHIBITS	
7 (800) 898-2034		9	EXHIBITS	
leigh.odell@beasleya	llen.com	1 1	Exhibit Description Page No.	
8 - and -			Exhibit Description Page No. Exhibit 1 Curriculum Vitae of 14	
9		11		
(Via videoconference		10	David A. Kessler	
10 ASHCRAFT & GERI BY: MICHELLE A.		12	E 171.0 4 11	
 4900 Seminary Road, 			Exhibit 2 Amended expert report 31	
Alexandria, Virginia		13	of David A. Kessler,	
12 (844) 680-0339		١.,	M.D., dated November	
mparfitt@ashcraftlaw 13	.com	14	15, 2023	
- and -		15	Exhibit 3 Expert report of David 45	
14			A. Kessler, M.D.,	
(Via videoconference		16	dated November 16,	
15 LEVIN PAPANTON BY: CHRISTOPHER			2018	
16 316 South Baylen Str		17		
Pensacola, Florida 32	502		Exhibit 4 Invoice, dated 48	
17 (850) 435-7000 ctisi@levinlaw.com		18	December 1, 2018	
18		19	Exhibit 5 Photograph of 64	
- and -			materials the witness	
19		20	has	
(Via videoconference 20 GOLOMB LEGAL)	21	Exhibit 6 Reliance List Initial 82	
BY: RICHARD GOI	OMB, ESQ.		Report	
21 1835 Market Street, S		22	1	
Philadelphia, Pennsyl (215) 278-4449	vania 19103		Exhibit 7 First Amended 82	
22 (215) 278-4449 rgolomb@golombleg.	al.com	23	Appendix C Materials	
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- and -		24	001101000	
24 25		25		
	Page 3			Page 5
1 APPEARANC	<u> </u>	1	INDEX (Continued)	rage 3
1 APPEARANC	<u> </u>	1 2	INDEX (Continued)	rage 3
2	<u> </u>		INDEX (Continued) EXHIBITS (Continued)	rage 3
2	E S (Continued): PLAINTIFF (Continued):	2 3	E X H I B I T S (Continued) Exhibit	rage 3
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2 3 ATTORNEYS FOR 4 (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB 8441 Gulf Freew 6 Houston, Texas 7 (713) 230-2343 7 babramson@whla 8 - and - 9 (Via videoconfere	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. ay, #600 7017 aw.com	2 3 4 5 6 7 8	E X H I B I T S (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83 Appendix C Materials Considered Exhibit 9 White Paper: IWGACP 141 Scientific Opinions on Testing Methods For Asbestos in Cosmetic	rage
2 3 ATTORNEYS FOR 4 (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB 8441 Gulf Freew: 6 Houston, Texas 7 (713) 230-2343 7 babramson@whle 8 - and - 9 (Via videoconfere COHEN, PLACIT	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. ay, #600 7017 aw.com ence) FELLA & ROTH, P.C.	2 3 4 5 6 7 8	E X H I B I T S (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83 Appendix C Materials Considered Exhibit 9 White Paper: IWGACP 141 Scientific Opinions on Testing Methods For	rage 3
2 3 ATTORNEYS FOR 4 (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB 8441 Gulf Freew: 6 Houston, Texas 7 (713) 230-2343 7 babramson@whle 8 - and - 9 (Via videoconfere COHEN, PLACIT	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. ay, #600 7017 aw.com ence) FELLA & ROTH, P.C. HER M. PLACITELLA, ESQ., and	2 3 4 5 6 7 8	E X H I B I T S (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83 Appendix C Materials Considered Exhibit 9 White Paper: IWGACP 141 Scientific Opinions on Testing Methods For Asbestos in Cosmetic Products Containing	rage .
2 3 ATTORNEYS FOR 4 (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB. 8441 Gulf Freew. 6 Houston, Texas 7 (713) 230-2343 7 babramson@whla 8 - and - 9 (Via videoconfere COHEN, PLACT	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. 19, #600 7017 aw.com ence) FELLA & ROTH, P.C. HER M. PLACITELLA, ESQ., and RENZI, ESQ.	2 3 4 5 6 7 8 9 10	E X H I B I T S (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83	rage
2 3 ATTORNEYS FOR 4 (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB. 8441 Gulf Freew. 6 Houston, Texas 7 (713) 230-2343 7 babramson@whla 8 - and - 9 (Via videoconfere COHEN, PLACT	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. 19, #600 7017 10w.com ence) FELLA & ROTH, P.C. HER M. PLACITELLA, ESQ., and AENZI, ESQ. et, Suite 2900	2 3 4 5 6 7 8 9 10	EXHIBITS (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83	rage
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2 3 ATTORNEYS FOR 4 (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB 8441 Gulf Freew 6 Houston, Texas 7 (713) 230-2343 7 babramson@whla 8 - and - 9 (Via videoconfere COHEN, PLACI' BY: CHRISTOP BY: DREW M. I 2001 Market Stre Philadelphia, Pen	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. ay, #600 7017 aw.com ence) FELLA & ROTH, P.C. HER M. PLACITELLA, ESQ., and RENZI, ESQ. et, Suite 2900 et, Suive 2900 et, Suive 2900 et, Suive 19103	2 3 4 5 6 7 8 9 10	EXHIBITS (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83	rage
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2 3 ATTORNEYS FOR (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB 8441 Gulf Freew: 6 Houston, Texas 7 (713) 230-2343 7 babramson@whla 8 - and - 9 (Via videoconfere COHEN, PLACT 10 BY: CHRISTOP BY: DREW M. I 11 2001 Market Stree Philadelphia, Pen 12 (215) 567-3500 cplacitella@cprla drenzi@cprlaw.cd 14 15 ATTORNEYS FOR (Via videoconfere KING & SPALD	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. ay, #600 7017 aw.com ence) FELLA & ROTH, P.C. HER M. PLACITELLA, ESQ., and RENZI, ESQ. et, Suite 2900 ensylvania 19103 w.com om THE DEFENDANT: ence) ING LLP	2 3 4 5 6 7 8 9 10 11 12 13	EXHIBITS (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83	rage
2 3 ATTORNEYS FOR (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB 8441 Gulf Freewe 6 Houston, Texas 7 (713) 230-2343 7 babramson@whla - and - 9 (Via videoconfere COHEN, PLACT 10 BY: CHRISTOP BY: DREW M. I 11 2001 Market Stree Philadelphia, Pen 12 (215) 567-3500 cplacitella@cprla 13 drenzi@cprlaw.cd 14 14 15 ATTORNEYS FOR (Via videoconfere KING & SPALD 17 BY: JOHN EWA	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. 19, #600 7017 aw.com ence) FELLA & ROTH, P.C. HER M. PLACITELLA, ESQ., and RENZI, ESQ. et, Suite 2900 nsylvania 19103 w.com THE DEFENDANT: ence) ING LLP LLD, ESQ., and	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	EXHIBITS (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83	rage
2 3 ATTORNEYS FOR (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB 8441 Gulf Freewa 6 Houston, Texas 7 (713) 230-2343 7 babramson@whla 8 - and - 9 (Via videoconfere COHEN, PLACT 0 BY: CHRISTOP BY: DREW M. I 1 2001 Market Stre Philadelphia, Pen (215) 567-3500 cplacitella@cprla drenzi@cprlaw.cot 4 5 ATTORNEYS FOR (Via videoconfere KING & SPALD BY: JOHN EWA BY: JACK KEE	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. 19, #600 7017 10w.com ence) FELLA & ROTH, P.C. HER M. PLACITELLA, ESQ., and AENZI, ESQ. 10t, Suite 2900 10th 19103 10th 20th 20th 20th 20th 20th 20th 20th 2	2 3 4 5 6 7 8 9 10 11 12 13 14 15	EXHIBITS (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83	rage
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2 3 ATTORNEYS FOR (Via videoconfere WILLIAMS, HA 5 BY: BRIAN AB 8441 Gulf Freewa 6 Houston, Texas 7 (713) 230-2343 7 babramson@whla 8 - and - 9 (Via videoconfere COHEN, PLACT BY: CHRISTOP BY: DREW M. II 12 2001 Market Stre Philadelphia, Pen 12 (215) 567-3500 cplacitella@cprla drenzi@cprlaw.co 14 15 ATTORNEYS FOR (Via videoconfere KING & SPALD BY: JOHN EWA BY: JACK KEE 1185 Avenue of t New York, New	E S (Continued): PLAINTIFF (Continued): ence) RT & BOUNDAS, LLP RAMSON, ESQ. 19, #600 7017 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	EXHIBITS (Continued) Exhibit Name Description Page No. Exhibit 8 First Amended 83	rage
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Page	6	Page 8
1 INDEX (Continued)	$\begin{vmatrix} 1 \end{vmatrix}$	DAVID A. KESSLER, M.D.,
2 3 EXHIBITS (Continued)	2	having first been duly sworn, was examined an
4 Exhibit	$\frac{2}{3}$	testified as follows:
Name Description Page No. 5	-	
Exhibit 12 Document entitled, 160	4	EXAMINATION
6 "Asbestiform Amphibole Minerals in Cosmetic	5	BY MR. EWALD:
7 Talc, Bates labeled	6	Q. Good morning, Dr. Kessler.
JNJ 000405219 through 8 JNJ 000405228	7	A. Good morning, Mr. Ewald.
9 Exhibit 13 Cancer Prevention 205	8	I'm going to ask: Can someone help
Coalition Citizen 0 Petition Seeking	9	me just make Mr. Ewald center? Is that
Carcinogenic Labeling	10	possible?
1 on all Cosmetic Talc Products, dated	11	Is there any way on Zoom so I don't
November 17, 1994	12	see everybody?
3 Exhibit 14 Letter dated 221 November 17, 1994,	13	(Discussion held off the record.)
4 with enclosure of		
Citizen Petition	14	BY MR. EWALD:
5 Seeking Carcinogenic Labeling on all	15	Q. Just for the record, where are you
6 Cosmetic Tale Products 7 Exhibit 15 Document entitled 240	16	located today?
7 Exhibit 15 Document entitled, 240 "Talc: Consumer Uses	17	A. I am in a conference room on the
8 and Health	18	seventh floor, I believe, on 1825 Case Street
Perspectives," dated 9 October 1, 1994,	19	at a law firm that you're aware of.
cosponsored by the	20	Q. Okay. Fair enough.
20 International Society of Regulatory	21	And just so I have a general sense
21 Toxicology &	22	as we're going through, what materials, if any,
Pharmacology and the United States Food and		
Drug Administration	23	do you have in front of you?
23 24	24	A. A lot of materials. In front of
25	25	me, less. Behind me on the side, a good deal.
Page	7	Page
1 INDEX (Continued)	1	I'm happy to if you let me look off to the
	2	side or behind me, I'm happy to look around a
4 Exhibit	2 3	
4 Exhibit Name Description Page No. 5	3	give you a general description of this, sir.
4 Exhibit Name Description Page No. 5 Exhibit 16 The United States 250	3 4	give you a general description of this, sir. Q. Yeah. I don't want to spend too
4 Exhibit Name Description Page No. 5	3 4 5	give you a general description of this, sir. Q. Yeah. I don't want to spend too long with it; but if you can give me a general
4 Exhibit Name Description Page No. 5 Exhibit 16 The United States 250 6 Food & Drug Administration's 7 response to the 1986	3 4 5 6	Q. Yeah. I don't want to spend too long with it; but if you can give me a general overview, that would be great.
4 Exhibit Name Description Page No. 5 Exhibit 16 The United States 250 6 Food & Drug Administration's 7 response to the 1986 citizen's petition	3 4 5 6 7	give you a general description of this, sir. Q. Yeah. I don't want to spend too long with it; but if you can give me a general overview, that would be great. A. Got it. I'm not going to go
4 Exhibit Name Description Page No. 5 Exhibit 16 The United States 250 6 Food & Drug Administration's 7 response to the 1986 citizen's petition 8 Exhibit 17 Article published in 280	3 4 5 6 7 8	give you a general description of this, sir. Q. Yeah. I don't want to spend too long with it; but if you can give me a general overview, that would be great. A. Got it. I'm not going to go through the electronics.
4 Exhibit Name Description Page No. 5 Exhibit 16 The United States 250 6 Food & Drug Administration's 7 response to the 1986 citizen's petition 8 Exhibit 17 Article published in 280	3 4 5 6 7 8 9	give you a general description of this, sir. Q. Yeah. I don't want to spend too long with it; but if you can give me a general overview, that would be great. A. Got it. I'm not going to go through the electronics. Q. Yeah.
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Page 10 Page 12 1 cited in my report. There's a binder of epi 1 BY MR. EWALD: 2 studies, a binder of lab test studies. There's 2 Q. All right. And just as a general 3 a binder of FDA documents. But I'm happy to matter, I understand you have the sheet in 4 walk through. 4 front of you, which is sort of a compilation of 5 Is that sufficient? 5 a variety of different things, fair? A. Yes, sir, exactly. 6 Does that give you a sense. 6 7 Q. That's -- that's very helpful. And 7 And are you aware of any materials 8 it's, actually, the level I was looking for that are in paper in the room that are not right now. 9 included in either your report or the materials 9 10 considered list? 10 You mentioned a pad with sheets 11 attached. I wasn't sure what you were 11 A. I think generally not. It's 12 referring to when you said that. 12 possible. Anything's possible, you know. I 13 may have printed off a study, an epi study, or 13 Yeah. So I mean, I have -- there 14 are large sheets of paper, and they're cut and 14 something like that in the last couple of days 15 pastes and just things I taped to these large 15 that ends up here and I've not checked it 16 sheets. So there's usually eight -- there may 16 against the reliance list. The reliance list, 17 be an 8 1/2 x 11 piece of paper that -- most of as you know, is substantial. 17 18 these are materials from -- that have been 18 Q. It is. 19 produced. And there's, you know, a page here, 19 A. So I would -- let -- let me 20 a page there; and it's taped on this larger 20 not make -- it's certainly possible there's 21 sheet. And I'm happy to hold it up to you if something not on the reliance list. That was 22 you'd like. 22 not my intent. My intent was to make sure, you 23 All right. What I would suggest is know, but some things could have been copied 24 if we can, please, get a copy of that during and I printed off and, you know, and you know. 25 the break, work with counsel so I can take a 25 And to be clear, it's not a Page 13 look at what you're -- what you're looking at? got-you. 1 2 And I don't want to lawyer, sir, 2 I want to know as you sit here but I'm happy -- there's a lot of materials 3 today, are you aware of any materials that are 4 in the room that you've subscribed that are not 4 here --5 5 contained on your materials considered list. MS. O'DELL: Let me weigh in on A. I'm happy to go over it through the 6 that, John. 6 break and tell you what I printed off during 7 We're -- we're happy to -- I don't 8 believe there's a facility here to copy it the last couple of days, and then we can check because they're quite large posters. And 9 to answer that question specifically. 10 so we're happy to provide a photo of it so 10 But, you know, I took great pains vou can see --11 to make sure that the reliance list was --11 12 12 with, -- you know, with legal staff; and you MR. EWALD: Sure. 13 MS. O'DELL: -- what's here. After 13 have two updated reliance lists to -- you 14 the deposition, we can commission or you 14 should have. But I'm happy to rethink through 15 can commission Golkow to -- to scan these 15 what I've printed off and I may have that could 16 if you'd like; but -- but I don't 16 potentially not be there. 17 believe -- I don't want to assure you we 17 Q. Okay. Thanks. 18 can get a copy because I don't --18 So let's start with the most recent 19 MR. EWALD: No. I mean -- no. I 19 CV that I received from counsel. I'm going to 20 appreciate that. And also, I was thinking put it on the screen there. Always good first 20 21 generally about the size. So a picture 21 test.

Do you see that, Doctor?

Well, thank you. That's a good

A. I see -- yes, sir, I see

Appendix A. Good job.

22

23

24

25

Thank you.

with enough resolution where I can look at

it during the break would be wonderful.

MS. O'DELL: Okay.

22

23

24

1	Page 14 start. Good start.	1	Page 16 two things that are that I can think of. So
2	So I'll mark this as Exhibit 1.	2	if you're on page 8 there you go, sir. So
3	(Whereupon, Exhibit 1, Curriculum	3	that is that's correct, you know. I was on
4	Vitae of David A. Kessler, was marked for	4	the Ellodi board, and I have subsequently, in
5	identification.)	5	the last month or so, gone back on the Ellodi
6	BY MR. EWALD:	6	board.
7	Q. And this, I will represent, was	7	Q. Okay.
8	Appendix A to the Amended Report, sir, by	8	A. All right. And it says senior
9	Dr. Kessler at the end of 2018.	9	advisor TPG through 2020. Obviously I went off
10	A. And to make your lift I don't	10	when I went into I mean, at 2020. And then
11	mean to cut you off, but to make your life	11	I've just go back on as a senior advisor.
12	easier, I just have a copy of my report with	12	I think those things are in effect.
13	the appendices in front of me too, sir.	13	If not, they're going into effect.
14	Q. Okay.	14	Q. Okay.
15	A. So I'm happy to turn the page, but	15	A. Those those are two two that
16	also watch the screen.	16	I'm aware of, sir.
17	Q. Yes. Whatever is whatever is	17	Q. And so with the caveat that it may
18	easiest for you. So get that in front of you.		not fully been in effect, within the last month
19	Let me know when you have your CV in front of	f19	or two, you have rejoined the boards of Ellodi
	you.	20	Pharmaceuticals and TPG?
21	A. I have I'm looking at both sets	21	A. One slight modification to your
22	right now. Yes.	22	statement. I don't mean to quibble.
23	Q. Okay.	23	Q. Sure.
24	A. The screen and the spiral bound	24	A. TPG's not a board. Ellodi is a
25	report.	25	board. TPG I'm just a senior advisor.
	Page 15	1	Page 17
1	Q. Good. And this was served along	1	Q. All right. An important
2	Q. Good. And this was served along with your report that was dated November 15th,	2	Q. All right. An important distinction, so I appreciate that.
2 3	Q. Good. And this was served along with your report that was dated November 15th, 2023.	2 3	Q. All right. An important distinction, so I appreciate that. Okay. Now, if we go back to the
2 3 4	Q. Good. And this was served along with your report that was dated November 15th, 2023. Is there a more recent CV of which	2 3 4	Q. All right. An important distinction, so I appreciate that. Okay. Now, if we go back to the first page, my understanding from your report
2 3 4 5	Q. Good. And this was served along with your report that was dated November 15th, 2023. Is there a more recent CV of which you are aware?	2 3 4 5	Q. All right. An important distinction, so I appreciate that. Okay. Now, if we go back to the first page, my understanding from your report is that you left government service most
2 3 4 5 6	Q. Good. And this was served along with your report that was dated November 15th, 2023. Is there a more recent CV of which you are aware? A. There is not that I'm aware of.	2 3 4 5 6	Q. All right. An important distinction, so I appreciate that. Okay. Now, if we go back to the first page, my understanding from your report is that you left government service most recently in January 19th, 2023.
2 3 4 5 6 7	Q. Good. And this was served along with your report that was dated November 15th, 2023. Is there a more recent CV of which you are aware? A. There is not that I'm aware of. Q. Are you aware of any revisions that	2 3 4 5 6 7	Q. All right. An important distinction, so I appreciate that. Okay. Now, if we go back to the first page, my understanding from your report is that you left government service most recently in January 19th, 2023. Does that sound right?
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Page 20

Page 18

1 resumed -- I was on leave, sir. I mean, if I 2 can jump ahead.

Q. Sure.

3

- 4 A. I was on leave from the University
- 5 of California, San Francisco; and, you know,
- 6 they've -- I'm -- I'm back on. I'm back on 7 teaching, et cetera.
- 8 Q. Okay. And -- and that's really,
- you know, I'm not trying to get into too much
- while you were on vacation or anything like that. I really just want to understand.
- You leave January 19th, 2023.
- When do you resume activities at
- 14 University of California?
- 15 A. Pretty simultaneously. I was on
- 16 leave, so the leave stopped was I think the way
- 17 it worked. We can check that.
- 18 Q. Okay. And so when you resumed
- 19 shortly after leaving the government in January
- 20 2023, what were -- what -- what were the
- 21 contours of your job?
- A. So I'm -- as it was before, I'm a
- 23 professor of pediatrics epidemiology and
- 24 biostat. I teach, and I do my research.
- Q. Okay. Are you teaching any classes

1 those -- those funds to do that, and I'm

- 2 working on that
- 2 working on that.
- 3 Q. And can you tell me, generally, the 4 nature of the two books that you're currently
- 5 working on?
- 6 A. I'm happy to. One is -- I mean,
- 7 they're consistent with, you know, things I've
- 8 done.
- 9 One is on obesity, weight, the
- 10 public health implications of cardiovascular,
- 11 metabolic. So I'm working on a research in 12 that area.
- 13 And I've recently agreed to do a
- 14 book with a number of historians on the
- 15 legacy operation -- I mean, putting down the
- 16 lessons learned from Operation Warp Speed.
- 17 Q. All right. Apart from your
- 18 teaching obligations and your research as
 - 9 reflected in part of these upon the two books,
- 20 any other responsibilities that you currently
- 21 have at UCSF?
- A. Just the usual responsibilities,
- 23 you know. I mean, I get called on to assist in
- 24 certain, you know, institutional matters to,
- 25 you know, mentor faculty and just do the --

Page 19

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7

1 this semester?

- A. I -- Well, semester's a little hard
- 3 in the medical world. We go more by -- by
- 4 years.
- 5 Yes, I was just teaching last week,
- 6 for example.
- 7 Q. And since rejoining UCSF, have you
- 8 been teaching consistently over that period of
- 9 time?
- 10 A. Yeah. I'm a medical
- 11 school teacher. Yes. I mean, I teach
- 12 epidemiology and biostat; and I -- you know, I
- 13 teach sections, et cetera, in the, you know,
- 14 the principles of epidemiology and biostat and
- 15 clinical decision-making.
- And I've -- I've taught that pretty
- 17 consistently since I've -- I -- I left as I did
- 18 before I went in.
- 19 Q. Okay. And in addition to teaching
- 20 classes, what other responsibilities do you
- 21 have at UCSF?
- 22 A. So I -- I am currently -- you know,
- 23 I am on -- you know, I'm writing two books, to
- 24 get to the chase. I do my research. I do my
- 25 writing, you know. I mean, I have, you know,

- Page 21 assist colleagues; and those -- those --
- 2 that's -- those are the primary. Most of my
- 3 job is research writing, obviously.
 - Q. And I believe that your CV says you
- 5 have not been an attending pediatrician since
- 5 2013; is that correct?
 - A. Correct. That's exactly right.
- 8 Q. All right. So what about on the --
- well, withdrawn.
- When you get out of government most
- 11 recently on January 19th, 2023, we talked about
 - your UCSF.
- 13 At that point in time, did you also
- 14 resume working in connection with expert
- 15 witness work for litigation?
- 16 A. I've done some, yes.
- 17 Q. Okay.
- 18 A. I don't -- I don't think
- 19 necessarily immediately. I don't want to, you
- 20 know -- but throughout -- throughout the year
- 21 I've done some. I'm trying to -- when I say
- 22 "year," you know, what -- what are we at now?
- 23 I'm at about 15 months --
- 24 Q. Right.
 - A. -- 16 months. Yes, I've done some,

Page 22 Page 24 BY MR. EWALD: 1 yes. 2 And I'm only looking for the -- the 2 Q. Except, for example, clinical work cases that, you know, have been disclosed. 3 in Johnson & Johnson subsidiaries; is that 3 4 What expert witness work have you something you continue to work on? 5 done since you have come out of government? 5 A. I believe that they're -- the So my -- my -- here's my 6 answer is no -- well, the answer is no. There 6 7 recollection. Here's what I have in my head. 7 may have been a phone call or two -- I don't have a recollection -- from some counsel about 8 There were two matters that were -let's call them legacy matters if that's okay. a question about Pinnacle in the last year, but 9 10 These are matters before I went into 10 I don't have a firm recollection of that right government; and then, you know, then when I 11 at this moment. 12 came out I got, you know, called again. 12 Q. All right. And we'll get more in 13 So obviously, this matter, you 13 to it as the deposition proceeds. 14 know, that has a longer history going back, I 14 But do you recall approximately think, you know, your first report you're aware when you were contacted, after leaving in 15 15 16 of. January 2023, by plaintiff's counsel in this 17 There was -- is a matter where I 17 case about reengaging on this legacy matter? 18 testified at trial on a Bard mesh case in 18 I apologize, I don't remember the 19 month. I'm blocking. You know, if I had to Columbus, Ohio, last year. That was a legacy 20 case that, you know, I -- I believe I had filed 20 guess -- I don't want to guess. I don't recall 21 a report even before I went into government. exactly when that phone call came in last year, 22 And then there is a lead in baby but it obviously came in. You know, my guess 22 23 foods case, Hain, Gerber, I don't know what the 23 is it came in -- well, can I speculate, give exact status of that consolidation. I don't you an approximation? 24 25 know if there is an MDL that's been formed or 25 Well, I would say I don't need a Page 23 Page 25 1 not. I believe that was -- my recollection 1 specific month. I'm generally looking for, you 2 that's -- that's new since. So it's those know, month, range, or the seasons, whatever is 3 3 three -- three matters, one of them including the --4 Yeah. Again, I could be off on 4 this obviously, sir. A. this; but my recollection, there was a phone 5 Q. And are there any other, as you call in the spring of last year, right, on 6 said, legacy matters of which you are aware that you're continuing to work or planning to 7 these matters. 8 work on since you've come back into government 8 All right. So I'm not saying it's anything close to exactly, but about a year 9 service? 10 10 MS. O'DELL: John, you understand ago? Yeah. I mean, if I could refresh 11 you're only asking for cases in which 11 my memory -- that's my recollection, yeah. 12 Mr. Kessler knows --12 13 Q. And how would you refresh your 13 MR. EWALD: Yes. 14 memory? 14 MS. O'DELL: -- he's been 15 15 A. I would have to -- I would either disclosed. 16 have to check my e-mail to see whether there MR. EWALD: Yes. 16 17 THE WITNESS: Known I've been was an e-mail that said, you know, please call me or something like that or I can ask. 18 disclosed? I'm just trying to think, sir. Okay. Do you recall the name of 19 19 It's possible there's an antitrust the plaintiff counsel that reached out to you 20 matter. Let me just not go any further 21 than that because I don't know the status 21 after you left government in January 2023? 22 22 A. I do. of disclosure. It may be an antitrust

23

24

O.

A.

Who was it?

25 hesitating, sir, is it was involving a talc

So I need -- the reason I'm

me, sir.

matter where I have been contacted.

Nothing other than that that jumps out at

23

24

	D. 26		p. 20
1	Page 26 case that was not this case, not the MDL,	1	Page 28 right way to say it.
2	right.	2	Q. So then you asked that question.
3	Q. Okay.	3	What happens next as it relates to
4	A. I just want to be careful on	4	your work on this case?
5	whether I've been disclosed in that matter or	5	A. I get called by either that
6	not. And if I give you the name of that	6	counsel, unnamed called MDL counsel, or I got
7	lawyer again, I'm happy to check at the	7	called by MDL counsel.
8	break with counsel to make sure I can reveal	8	Q. Okay. And what was the general
9	that. But the phone call that came in was from	9	message that they communicated?
10	counsel. It was I'm not sure I mean, it	10	A. I believe at that stage again,
11	was a state case. It was not a	11	don't hold me to this, but it was general
12	Q. Right.	12	the bankruptcy issues are being resolved. It
13	A not an MDL case. That's why I'm	13	looks like this is moving ahead. Again, I
14	being a little being careful here, sir.	14	apologize for the timeframe. I'm not
15	Q. Understood. And so we may go back	15	Q. Sure.
16	to that if necessary.	16	A. And obviously we would like to
17	A. Could you do me a favor?	17	we would like you to continue your work,
18	Could you take down, if possible,	18	whatever the word, reengage with the MDL. And
19	my CV?	19	I asked then I asked State counsel who
20	I'd love to see you	20	called me to engage with MDL counsel and make
21	Q. Okay.	21	sure these things were what's the right
22	A otherwise in thumbnail.	22	word, whatever the right terminology not in
23	Q. I'm happy to do that.	23	conflict.
24	A. Thanks.	24	Q. All right. I'm assuming, because
25	Q. It's good practice anyway.	25	you're sitting here today, that you got the
	Page 27		Page 29
1	So we may get back to the identity	1	
2	of the lawyer if it matters; it may not.	2	A. Yeah. I don't think it was it
3	So I take it, though, in that	3	wasn't there is not I don't think there
4	conversation approximately a year ago, somehow	4	is an official conflict. I don't think there
5	it was communicated to you in that conversation	5	is an official conflict, but I I had done
6	by that unidentified plaintiff's lawyer that	6	the work in the MDL.
	the MDL plaintiffs were looking to work with	7	And I while I stopped when I
8	you further?	8	went into government service and I said, hey, I
9	A. Not exactly.	9	mean, is there where are we. They said we
10	Q. Okay. So how does that	10	want to engage you, engage you again, whatever
11	conversation relate to being reengaged in the	11	the right word is. And I said sure. And I
12	MDL?	12	just I tend not to want to do again, I
13	A. I believe I raised the issue that I	13	don't want to bind myself exactly, but I don't
14	had done a report in the MDL, and I just I	14	want to do one work for MDL and one work for the State for the same issues. I want those
15	wanted to I wanted to make sure these things	16	things to be coordinated.
16	were I apologize for lack of a better word, synched or whatever. I didn't want to do	17	In essence, anything that I say or
17 18	anything that was conflicted, et cetera.	18	opinions, they should be good for all, you
19	Q. Right.	19	know, I mean, all coordinated. I just wanted
20	A. So that was how so I don't want	20	them coordinated. That was what my goal was.
21	to use the word I "initiated," but I asked the	21	Q. So the coordination happens to your
22	question then, I mean, if I proceed in this	22	satisfaction.
23	other matter, how does that affect the MDL;	23	And approximately when do you start
	where is the MDL. I was not paying attention	24	working in earnest again on this matter?
	at all, so I asked a question, I think is the	25	A. It's I mean, I've got to work
23	at air, bo I abred a question, I annik is the	-5	11. Its Illiam, I to got to work

Page 30 Page 32 1 backwards from November. My guess is it is 1 cosmetic manufacturers and the FDA as well as 2 spring that it picks up, that it starts on the industry standards," and it goes on to say, "I 3 MDL. have been asked to address the duties and 4 conduct of defendant cosmetic companies in the 4 Q. Are you talking, again, like 5 5 April-May time? face of a potential health hazard." A. Yeah. Again, I would have to look 6 What defendant cosmetic companies 7 at my calendar. It could have been May, June, 7 are you opining on in this case? something like that. But it was certainly of 8 A. I believe that the defending that, my sense it was that order. You know, companies are in paragraph 17, sir, of the again, I don't know when the actual bankruptcy, 10 report. I leave -- I'm aware that a number of 11 et cetera. So that's why I just -- I them are in bankruptcy. So, you know, I leave 12 apologize. I just don't know. 12 it to the lawyers, you know, which ones are at Q. No need to apologize. I 13 13 issue and which ones are not. 14 14 understand. All right. And for purposes of 15 So what did you understand -- when 15 your report and your opinions, do you 16 you started working again in earnest on this 16 distinguish between, say, Johnson & Johnson and matter after leaving government service in 17 IMERYS? 18 January 2023, what did you understand the scope 18 So I have this statement in my 19 of your work to be? 19 report, I believe, somewhere where I say if I 20 A. I think probably -- if I can, I'm referenced the defendant, it applies to the 21 happy to give it to you -- but I think there's 21 defendants as a whole; but I'm not sure if that 22 a paragraph I wrote in paragraph 22; is that 22 is the most helpful to you. 23 right? 23 Q. Right. 24 24 Q. Yes. So there's that general statement. 25 I think that gives you the scope, 25 You will see, I mean, in the record that, you Page 31 Page 33 sir, you know. There was a scope in the 1 know, I had available to me, a discovery record opening report back in, what, 2018, right, in a 2 there's obviously documents that are J&J, paragraph, I think, if my memory serves, 3 IMERYS, the old CTFA; so there are different paragraph 18. But I think -- again, it is 4 documents. the -- to look at the, you know, the 5 And throughout the report, the 6 responsibilities of the defending cosmetic 6 report will cite, you know -- I mean, that companies, you know, to -- from a regulatory document probably in the name of, you know, perspective, based on my experience, and what the institution was that, you know, that looking at the food and drug statutes, that document was from. But I think the -- the regulations, you know, industry, the guidances, major defendant here is J&J. I think we all standards, and compliance thereof. 11 know that. And I think the others are in 12 Q. All right. 12 bankruptcy, as far as I understand. 13 MR. EWALD: While we're here on 13 Q. Well, from a perspective of -- we 14 paragraph 22 -- let's go ahead and mark as 14 can get into more detail, but would you agree 15 Exhibit 2 Dr. Kessler's amended expert 15 with me that amongst the documents you reviewed 16 report in this matter, which is dated 16 in connection with this litigation, there were 17 November 15, 2023. 17 some that were internal Luzenac/IMERYS 18 (Whereupon, Exhibit 2, Amended 18 documents? 19 expert report of David A. Kessler, M.D., 19 A. There was some documents that were 20 dated November 15, 2023, was marked for 20 Luzenac/IMERYS documents; is that the question? 21 identification.) 21 But that are internal documents, 22 BY MR. EWALD: 22 internal memos, internal e-mails that no 23 And, Doctor, sticking with 23 outside parties that were reflected on a paper

Do you agree that you reviewed such

25

24 document.

paragraph 22, it states, as you referenced,

"Focusing on the regulatory interface between

Page 34 Page 36 opinions you're offering in this case? 1 documents? 2 That's a general statement. I 2 A. I'm not sure of the full scope of 3 3 who saw what documents. I don't want to don't want to make any blanket statement about any assumptions. Let's talk about a specific 4 represent whether J&J was cc'd, was a party. opinion, and we can look. I don't want to make Sometimes they have multiple parties on those a forever statement that there's no assumptions 6 documents. We would have to look document by on any opinion. And, you know, there's always 7 document. some in some thought process, you know. I 8 Q. So I guess my question is: Are you mean, there are judgments that are made. making any assumptions or your opinions in this 10 Understood. So is it your case that J&J was on notice of any IMERYS/Luzenac document? 11 testimony, though, that, as you sit here today, you're not aware of any assumptions that you 12 12 MS. O'DELL: Object to the form. 13 THE WITNESS: Yeah. I think your 13 are making with respect to the opinions in this 14 14 case? statement is -- you know, let's take --15 MS. O'DELL: Object to the form. 15 first of all, let me -- my job is not -- I THE WITNESS: I would have to think 16 16 don't want to make any assumptions, you about the answer to that question. 17 understand. I mean, the facts are what 17 18 I didn't offer or make any 18 the facts are. 19 assumptions. We all, in any thought 19 There are J&J documents. There are 20 IMERYS documents. Sometimes those 20 process, connect dots and make inferences. 21 I don't know whether those are assumptions 21 documents are the same documents just with 22 22 different Bates numbers, right. I mean, or inferences. I would have to -- it's 23 just too abstract a statement for me to 23 I've seen the same document, you know, 24 24 both. It's an IMERYS document and a J&J make. But I didn't offer it or make any 25 25 just with different Bates numbers. assumptions going in. Page 35 Page 37 1 So I mean, there's no way to sort 1 BY MR. EWALD: 2 out by a specific document, unless we Q. Did plaintiff's counsel ask you to 2 3 looked at it and really track whose files 3 make any assumptions in connection with your they were in. opinions in this case? 4 5 I'm making a general assumption 5 Α. Absolutely not. that when -- well, "assumption" may be the 6 6 On the Luzenac/IMERYS document wrong word -- but a general view that J&J 7 issue, I want to give you a hypothetical. 8 is a sophisticated, very, you know, expert 8 The hypothetical is that it's, on 9 company. And it has general 9 the face of the document, an internal Luzenac 10 responsibilities over its suppliers and, 10 document, only Luzenac employees are, you know, you know, its contractors in general, so 11 on the to or cc line; no indication on that 12 in the manufacture of its product. 12 document that it was viewed externally from 13 So if -- with regard to the product 13 IMERYS/Luzenac. 14 that's Johns- -- we're talking about baby 14 Are you with me so far? 15 powder and the production thereof. I 15 A. I think I understand those two 16 guess it's fair to say it filters up to 16 parts of your hypothetical. J&J. They are the supplier -- if it has 17 17 Q. If that -- if you look at a 18 their suppliers. But I don't want to make 18 document like that with no other evidence about 19 any specific assumptions. where the document went or who had knowledge of 20 BY MR. EWALD: it, are you assuming that J&J is aware of that 21 Q. Well, we will go back to that in a 21 document? 22 moment. 22 MS. O'DELL: Object to the form. 23 But you said that -- am I 23 Incomplete hypothetical. 24 understanding you correctly that you're not 24 THE WITNESS: So I hate to give making any assumptions in connection with 25 this answer. It depends on context.

Page 38 Page 40 1 BY MR. EWALD: arise in our discussion or, you know, 2 Q. Okay. What's the context? regulatory context, I'm happy to discuss; but I 3 don't think my opinions go toward that. 3 Well, so is this -- it depends on 4 But there's always -- you know, in what the other facts are. Is this a -- are we 5 any regulatory matter, if you look at the FDA, 5 talking about -- are there other documents that statutes may render the, you know, article reference the facts in that document? injurious. There's obviously some hazard 7 Is that a document that stands analysis that goes into any regulatory 8 alone on the subject matter that was never analysis. I'm just staying away from causation within the purview of other documents? as a legal matter. Again, I'm not wanting to 10 Were there audits done? 10 11 play lawyer here. 11 Is this a subject matter that a 12 Q. I appreciate here. 12 reasonable and responsible company who has its supplier working on something would be involved 13 So when you say -- how would you 13 14 14 characterize the hazard analysis that you have in? undertaken with respect to the question of 15 There are a lot of issues that go whether or not talc exposure can cause ovarian 16 into the answer to that question. 17 Q. Let's go back to paragraph 22 in 17 cancer? 18 Well, I have not done any your amended report. You state, "I have not 19 independent hazard analysis. I mean, I have been asked to opine on causation issues." 19 20 What do you mean by that? 20 cited the -- I mean, in this document, what the 21 federal agencies and others as a -- you know, I 21 A. Exactly what I say there. I use mean, as it came up over the years, for 22 the word caus- -- well, I used the word example, I have cited that asbestos is a 23 there -- again, I don't want to play lawyer; carcinogen. I have not done an independent but in any liability case, I mean, there's -analysis of that. I have not done an there are issues of causation, both general and Page 39 1 specific. independent hazard analysis of that, but that 2 Here, as I understand it, it's does -- you know, my report does state that, I 3 talcum baby powder and ovarian cancer; and the believe. issues of general causation, you know, the So when you talk about -- well, Bradford Hill issues and also in the specific before we go to that, you also state, I believe plaintiff matter was the plaintiff's cancer 6 it's Footnote 31 -- I mean, it's page 31 --7 cause -- or contributed to by the baby powder. 7 Footnote 31 and page 31. 8 As far as those matters, while I'm 8 A. Thanks. In your report you say, "As I have a professor of epidemiology, I am happy to 9 Ο. discuss Bradford Hill, you know, for the 10 stated previously" --Wait a second. Yes. 11 entire -- you know, as long as you'd like. I'm 11 12 not -- there are other experts that are 12 The bottom of page 31, Footnote --13 well-qualified that are handling -- that are page 31, "As I have stated previously, I am not 14 dealing with those issues. And I have not offering any causation opinions regarding the 15 studied -- I have not delved into, certainly, 15 health effects of cleavage requirements." 16 any specific causation matters. I have not And that is an accurate statement 16 17 looked at any medical records in this matter. 17 of your position in this matter? 18 So I just wanted to upfront put that in. 18 Yeah, I think that's fair. 19 Q. Sure. And so am I correct that 19 Understanding causation is defined as we've 20 you're not going to be offering any opinions in 20 been discussing it, sure. 21 this case about whether exposure to talc can 21 Okay. And you have not undertaken 22 cause ovarian cancer? 22 any independent hazard analysis of whether or 23 If those issues go toward causation 23 not cleavage fragments can cause health 24 and those elements of the tort, I will not do 24 effects? 25 that. If there is something -- if those issues 25 I mean, I've looked -- I have

Page 42 Page 44 exposure to talc? 1 reviewed literature on that issue, but I have 2 not done an independent hazard analysis, I A. I mean, hopefully, we can all agree 3 mean, as you would testify on a hazard analysis 3 that asbestos has been determined to be a human on cleavage fragments. carcinogen, that there is -- that that is Q. Okay. And you say you reviewed accepted, that is, exposure to asbestos, 5 6 literature on whether or not cleavage fragments asbestiform and other fibrous materials. can cause health effects. 7 And the question is: Does talc 8 Are you going to be offering any present those risks. opinions about the health effects that can be 9 Q. Okay. And so when you're looking 10 caused by exposure to cleavage requirements? 10 at -- well, withdrawn. 11 A. I don't think in that, as you've 11 So you identify -- you have stated 12 stated it, no, I don't intend to do anything that you have not done an independent hazard 12 13 with regard to causation of whether cleavage analysis as it relates to causation issues. 13 14 fragments -- I'm not aware of causation --14 Are you relying on the regulatory 15 things that go to causation on cleavage. 15 statements over time for the basis of there In the clinical sense, I am aware being a potential health hazard relating to 16 17 of certainly, you know, some pre-clinical, you cosmetic talc exposure? 17 18 know, in vitro kind of work. I'm happy to talk 18 MS. O'DELL: Object to the form. 19 about cleavage fragments in the regulatory 19 THE WITNESS: I just need to -- if 20 context. 20 you can pull up the question. Am I relying on the regulatory statements over 21 Q. All right. There's going to be a 21 22 fair amount of flipping back and forth. I 22 time for the basis of there being a apologize, Doctor. But if you go back to 23 potential -- I think I'm relying on the paragraph 22 in your report. 24 scientific literature that the statement 25 I'm happy to do that, sir. 25 by regulatory agencies, the general Page 43 Page 45 1 O. All right. And so when we have 1 consensus, my 40, 50 years of medical 2 that sentence that follows, "I have been asked experience, my experience as FDA 2 3 to address the duties and conduct of defendant commissioner, you know, et cetera, that, 4 cosmetic companies in the face of a potential 4 you know, asbestos is a human carcinogen. 5 health hazard," when you're referring to their 5 Again, I hope we don't have to spend a lot 6 duties in that sentence, what duties are you 6 of time on that point. 7 referring to? 7 BY MR. EWALD: 8 A. I mean, I think it -- I think I go 8 Q. All right. So I want to go back to 9 back to the -- I make reference to the second your preparation of the first report, and we 10 line -- third line there. It's really the are going to mark that as Exhibit 3. And that 11 interface between those manufacturers and the one is dated -- it was really helpful on your 12 FDA and the industry standards that pertain amended report that it had the date on the 12 13 thereto. So it's anything that derives from 13 front page. 14 the Federal Food, Drug, and Cosmetic Act and 14 Here we go, Exhibit 3, November 16, 15 the guidances, regulations, and industry 15 2018, first report. 16 standards. So it's duties that flow there, (Whereupon, Exhibit 3, Expert 16 report of David A. Kessler, M.D., dated 17 sir. 17 18 November 16, 2018, was marked for Then at the end of that sentence, 18 19 it talks about "in the face of a potential 19 identification.) health hazard." 20 BY MR. EWALD: 21 21 Do you see that? Q. Do you have a recollection of

22 approximately when you were retained in

connection with that first report in this case?

A. If you change that question, take

out the word "retained," and when I was first

23

24

Sure.

Q. And so my question is: What are

24 you relying on for the proposition that there

25 is a potential health hazard relating to

1	Page 46 contacted and I don't have the definition of	1	Page 48
1		1	A. Again, these are all my words.
2	the word "retained," but I can tell you my recollection that it was probably 2016 when I	2 3	This is my report. So I dictated it. I
3 4	was first approached and first conversations.	4	don't I did not type it. Q. Okay. Apart from assistance that
5	I assume I was those were	5	you received from counsel in connection with
6	covered you know, there was an attorney wor		the preparation of your report, did anyone else
7	product to that. I don't want to use the word	7	assist in the preparation of either report in
8	"retained." You know, I don't think I agreed	8	this matter?
9	to do a report or anything of that nature, you	9	A. No.
10	know, instantaneous; but my recollection, it	10	MR. EWALD: I'm going to mark as
11	was 2016, sir.	11	Exhibit 4 the invoice that we received
12	Q. All right. And so when did you	12	from counsel. So the record is clear,
13	begin to work in earnest on the work that would		it's dated December 1, 2018.
14	result in your November 2018 report?	14	(Whereupon, Exhibit 4, Invoice,
15	A. My guess is it was within the prior	15	dated December 1, 2018, was marked for
16	12 months to the submission of the report.	16	identification.)
17	Q. Okay. So approximately November	17	MS. O'DELL: John, could we ask you
18	2017 or so is when you began to really work on	18	to put that in the chat, please, so
19	the report?	19	Dr. Kessler could put it on a larger
20	A. That's my let me just look at	20	screen?
21	the signature line here.	21	MR. EWALD: Sure.
22	So, again, my guess it was probably	22	THE WITNESS: By that means, she
23	2018 where most of the work was done. There	23	means she's testing my ability to
24	was some but there was some initial	24	navigate the computer screens in front of
25	conversations maybe in 2016, in 2017. But my	25	me. Watch, I will disconnect the
	Page 47		Page 49
1	sense is much of the work was done in 2018, bu	t 1	entire can I ask counsel to just come
2	I don't have a firm recollection, sir.	2	and show me where the chat button is?
3	Q. Did you draft the entire first	3	I'm good at Zoom. Can I go to Zoom
4	report?	4	here?
5	A. I dictated it, yes.	5	MS. O'DELL: John, I'm going to
6	Q. Okay. And that applies to the	6	help Dr. Kessler here for a second.
7	whole report?	7	MR. EWALD: Sure.
8	A. No. I think that there is a I	8	THE WITNESS: Thank you.
9	think, as mentioned, there are schedules that I	9	MR. EWALD: Let me know if you have
10	had assistance done under my guidance. But	10	any problems dropping it in.
11	hopefully. The schedules are just objective	11	MR. KEESTER: This is Jake jumping
12	facts that I have directed, put together. But	12	in. To drop something into the chat, is
13	certainly, the report the report is my	13	there a privacy setting I need to undo
14 15	report. Nhat about the metarials considered	14 15	here?
16	Q. What about the materials considered list for your first report, who created that?	16	It's not letting me copy and paste. (Discussion held off the record.)
17	A. The materials considered list are	17	MR. EWALD: If it's not for this
18	done certainly with my assistance, but that is	18	document, then it will be for something
19	done with the assistance of counsel. And	19	else; so let's just figure it out.
20	that's true on both reports.	20	How about this, we have been going
21	Q. So just while we're covering it	21	almost an hour, a little bit shorter, why
22	you brought it up is it true that, apart	22	don't we go off the record.
23	from the schedules and the materials considered		THE WITNESS: I'm happy to keep on
1 / 1	mon the beneaties and the materials constacted		
	list, that you drafted the entirety of your	24	going. Keep on going I don't want to
24 24 25	list, that you drafted the entirety of your amended report in this matter?	24 25	going. Keep on going. I don't want to break before maybe we will break I

6

13

Page 50
don't know what time the eclipse is
hitting your area, but we can take five
minutes there. Let's save it for the
eclipse break.
MR. EWALD: Jake, are you having
any luck?

7 MR. KEESTER: I think I might in a second. Hold on. Let me try this.

9 BY MR. EWALD:

- 10 Q. While Jake is doing that, I'm going 11 to put it back up; and we'll see what we can 12 accomplish.
- 13 A. Just scroll down so I can see.
- 14 Thanks, sir.
- 15 Q. And so, at least on this one, it's 16 a one-pager. And do you see here -- as I
- 7 mentioned, the date December 1st, 2018. And it 17
- 18 is for a total amount of \$101,364.91.
- Do you see that, sir?
- 20 A. I do, sir.
- Q. And you explained that the total
- 22 arises from 101 hours at \$1,000 per hour and
- 23 expenses and then totals up to \$364.91,
- 24 correct?
- A. Correct.

Page 51

- 1 Q. And fair to say that the invoice 2 that we are looking at here from December 1st,
- 3 2018, reflects the work through the preparation
- 4 of your November 2018 report?
- 5 A. Well said, sir.
- 6 Q. Have you issued any invoices on
- 7 work that was conducted after you reengaged in
- 8 the spring of last year?
- 9 A. I have not.
- 10 Q. All right. And do you have a
- 11 standard practice on when you issue invoices in 11
- 12 your expert litigation work?
- 13 A. My standard practice is not going
- 14 to be -- maybe a little vague. It is usually
- 15 when I'm done. But in litigation when you're
- 16 done is -- you know, has different meanings.
- 17 You know, whenever there's a segment of work 17
- 18 that is done, I tend not -- I do not invoice
- 19 along the way. I tend to invoice after certain
- 20 segments of litigation.
- Q. So, for example, the December 1st,
- 22 2018, invoice would cover approximately six,
- 23 seven months of work?
- A. Probably -- again, let's assume
- 25 that that was the entirety of the work through

1 the first report from my first contact with the

- 2 parties. It probably was over an extended --
- 3 more extended six to seven months. But, again,
- 4 I don't have a recollection of that, what went
- 5 into that invoice exactly.
 - Q. All right. And so then --
- 7 A. But you can assume that everything
- 8 that pertained to the -- those -- that MDL or
- whenever things got wrapped into that MDL,
- 0 everything was -- everything from the beginning
- 1 through the time of that invoice got wrapped
- 12 into that invoice.

So you could interpret it as over

- 14 two years or -- I mean, I don't know. I don't
- 15 want to misspeak here, but you get the drift.
- 16 Q. I do. And so how do you keep track 17 of the time spent on this matter before you
- 18 actually issue the invoice?
- 19 A. I just tend to write down, scribble
- 20 on a personal sheet of paper what -- the number
- 21 of hours that I spent. So it's just a number
- 22 that is scribbled.
- 23 Q. All right. And so then you -- who
- 24 is responsible for issuing invoices?
- A. I turn it over to counsel, that

Page 53

1 counsel being my spouse.

- Q. And you hand her all the different
- 3 individual pieces of paper with your scribbles
- 4 on it?
- 5 A. Yeah. I hand her the paper. And I
- 6 tend to -- she -- if you don't mind, just, if
- 7 you want to keep it up, I'd love to see it. I
- 8 mean, if you don't mind.
 - Q. Sure.
- 10 A. Thanks. She tends to ask me to do
- 11 the math and just give her the total number of
- 12 hours.

- 13 Q. Okay
- 14 A. And she knows the rate. She will
- 15 put the invoice together.
- 16 Q. What is your current rate, Doctor?
 - A. \$1,250.
- 18 Q. And what would be your estimate on
- 19 how many hours you spent in connection with the
- 20 work on this matter after being reengaged in
- 21 the spring of last year?
- 22 A. So I think that -- let me just
- 23 break it up into -- again, I have not added it
- 24 up specifically. There's no final tabulation.
- 25 But now that you asked me that question, I

Page 56

Document 33115-4 PageID: 231770

Page 54

- 1 looked at it. I think it's fair to say through
- 2 the report I would say in the mid-500 hours.
- 3 And it's from November for the last six months.
- 4 Let's just round it off to about probably 300
- 5 hours. That would give you a good sense of the
- 6 number of hours. But, again, I don't have an
- 7 exact, but it should be in that ballpark.
- 8 Q. All right. And so understanding
- 9 it's an estimate, as you sit here today, a
- 10 reasonable estimate, based on your review,
- 11 would be 850 hours spent from spring of last
- 12 year until today?
- 13 A. It may not be quite that high.
- 14 Again, yes, as I understand it, you will -- as
- 15 soon as I do the invoices, you will get the
- 16 invoices. I leave that to counsel. So you
- 17 will get it exact. But, yeah, I think -- let's
- 18 work from 800. It's around that, I think,
- 19 would be fair.
- Q. All right. And that is the way it
- 21 works. But unless you want to come back and
- see me again, this is my only time to ask you
- 23 questions. So I'm trying to get an estimate.
- 24 And I appreciate you having done some work to 24
- 25 try to get that estimate.
- Page 55
- A. You sound like my dentist.
- Q. So the -- if you had to say what
- 3 went into that approximately 550 hours up to
- 4 the report November 2023, different buckets,
- 5 what would you say would be the different
 - buckets?

1

- 7 A. What went into -- I'm sorry? What
- 8 did I do?
- 9 Q. Yes. Let's say different
- 10 categories of stuff that you did that went
- 11 into, ultimately, the preparation of the
- 12 report?
- 13 A. I mean, it's research and writing,
- 14 right. I mean, it's research and writing.
- 15 It's research, thinking, writing. Obviously,
- 16 there's conversations I'm dictating. But
- 17 there's -- I'm doing research. I'm reading.
- 18 I'm thinking. I'm doing more research. I'm
- 19 writing. There's conversations, as you know,
- 20 along the way; and I'm dictating.
- 21 O. All right. I'm not interested in
- 22 the content of the conversations.
- When you're referring to
- 24 conversations, are you referring to
- 25 conversations with counsel?

- 1 A. Yeah, I think that -- yeah, of
- 2 course.
- 3 Q. But just to clarify, in connection
- with the preparation of your report --
- 5 withdrawn.

6 In connection with both reports

- that you have issued in this matter, did you consult with anybody else other than counsel?
- 9 A. Not to my knowledge. Nothing that
- 10 I remember, sir.
- 11 Q. And just to make sure the question 12 is clear, when I say "consult," I don't want
- 2 there to be some kind of specific term
- there to be some kind of specific term.Did you communicate with anyone
- 15 other than counsel in preparation of your two
- 16 reports in this case about any substantive
- 17 issue?
- 18 A. Not that I recall, no. I mean, I
- 19 did not talk to other experts in this matter.
- 20 I don't want to say that the word "talc" never
- 21 arose over the last six years in any other
- 22 conversation, whatever, not that I recall; but,
- 3 you know, I mean, this is the work of me, you
- 4 know, with the record in front of me as a
- 25 relatively solitary worker -- or solitary

Page 57

- 1 worker. I don't mean to add an adjective in
 - 2 front of me. This is me and my computer
 - 3 screen.

- Q. Okay. The 300 hours approximately
- 5 from November until today, if you would break
- 6 that down into how you spent that 300 hours,
- 7 what would you say?
- 8 A. Again, I mean, obviously, there was
- 9 some -- everything is in preparation for you,
- 10 right. You know, there's no fine line. I knew
- 11 we were going to have this opportunity to talk.
- 2 But there were questions that I was still
- 13 interested in studying and trying to learn the
- 14 answers to even after my report was done. So I
- 15 continued to learn and to study.
- 16 Q. Okay. And as you sit here today,
- 17 what were those questions that you continued to
- 18 learn more about after the issuance of your
- 19 report November 2023?
- 20 A. There was one question that just
- 21 kept on puzzling me. And there was some subset
- 22 questions that I -- you know, these weren't new
- 23 questions, but they were questions that I was
- 24 still trying to learn.
- 25 And still to this day, sir -- let

Page 60

Document 33115-4 PageID: 231771

Page 58 1 me just put on the record -- still trying to 1 question -- that question plagued me for a 2 learn, you know, the full answers. You know, I considerable time, and I wanted to get the 3 think my report -- let me just say -- digress answer to that question. 4 for a second and get back to your question. 4 And so how did you then -- what I'm 5 My opinions in the report, the last 5 wondering, then, is, what additional -- well, withdrawn. 6 report, are my opinions. I don't have new 6 7 Are the additional materials that opinions. But one always learns more in you reviewed in connection with that puzzling things, you know, expand upon or give more question, as you put it, reflected in your substance. 10 second amended materials considered list? 10 The question was -- the sort of 11 Yeah. I mean, again -- I mean, I 11 central question -- that in 1976 J&J, CTFA, I 12 had access -- the answer is yes, but let me 12 mean, the cosmetic industry, the suppliers, 13 basically said to the agency and to the public 13 just -- so I had access, and I insisted upon 14 access. One, thank you, meaning the company. 14 we're putting into this existence this 15 You put on the -- in public health something 15 laboratory test method, this J4-1, that would 16 called Facts About Talc, which had thousands of 16 assure that talcum powder would be asbestos documents of evidence that you saw as relevant 17 free. So I had that database. But I had the 18 And that statement you can see discovery database. 19 19 cited that that date is the agency -- everyone said, okay, good. We now have this quality 20 And, you know, there were documents 21 that I had probably seen before doing that 21 control method in place in 1976. And then we 22 can, you know, be rest assured there's 22 report that I went back to, but I continued to search that record to get the answers to that 23 assurances that the product can be used safely. 24 24 question. What puzzled me from -- again, I 25 25 don't know exactly when the question dawned on And, again, the answers, you me, but it was how could you have a quality know -- my opinions on the answer to those system, right, in a J4-1 method and a testing questions are well laid out, I mean, in the method that assures, okay, we are going to make report; but I continued to research it, you sure that there's no asbestos that gets in 4 know, and to get to the basic -- I mean, as my 5 report says, I think, you know, throughout the 5 there? How can you never have a positive 6 manufacturing process J&J, its suppliers, its 6 7 result after? contractors, the trade association, masked the 8 There was never a quality control presence of asbestos in talc throughout that 9 rejected sample. And how could that be, right? process. And I think my report deals with that 10 And then there was sort of -- this 10 in great detail. sort of adjacent or, you know, associated But that masking -- how that -- how 11 questions, you know, just in light of the known the -- how that got masked and that -- I mean, 13 geology, how could J&J and its suppliers, its 13 I think that's the essential, you know --14 contractors, sort of be confident that there 14 that's my essential takeaway of what the last 15 was no asbestos in its mined product. 15 50 years has been about. I saw that, you know, at various Q. And when you say the masking of the 16 16 17 times J&J and its suppliers put in place, you 17 presence of asbestos, are you referring to the 18 know, a fiber management program, you know, industry's use of J4-1 method? 18 that included, you know, sort of selective A. Let me give you what I think went 19 19 mining, et cetera. That program is 20 into that, the answer to that question. 20 21 well-documented in the record. 21 So I think at first it was the ways 22 You know, there's a fiber 22 that asbestos and the fibers were masked. I

think the grinding and crushing and the milling

process. If you look at the Raymond roller, if

you look at -- if you know about the sieve, you

23

23 management program. You're managing fibers,

but J&J kept on saying there's no asbestos;

25 we've never found asbestos. So that

Page 62 1 1 know, what that grinds to. If you know that materials that Dr. Kessler has in front of 2 the product specs for certainly of Grade 25 2 him, send them to my e-mail address or to 3 talc, certainly that is the latest talc that 3 Suzanne, and she can forward them along, 4 I'm aware of, of the raw material, that -- you 4 that would be great. 5 5 know, that grinding and processing -- let me MS. O'DELL: John, I will be happy 6 6 expand. to do that. 7 7 So I think it's the grinding and We will take five minutes. crushing and the milling process down to that 8 MR. EWALD: That's fine for me. micron size of that particle distribution -- I 9 (Whereupon, a break was taken.) guess the median is, what, 10.9 from -- don't 10 BY MR. EWALD: 10 11 hold me to it -- with a range of 7 to 14. Once 11 Q. All right. Doctor, a couple of 12 you grind it and you crush to that, the fact things I wanted to clear up, and then we'll go 12 13 the sample needs to be passed through this 13 in a different direction. First, let's mark as Exhibit 5 a 14 minus 325 mesh prior to testing at further 14 15 impacts, you know, particle dimensions, the picture that counsel provided over the break 15 16 extremely low sensitivity. that reflects the materials that you have --17 If you look at the how it was some of the materials you have. 17 18 validated of the test leading to a false 18 Are the materials in front of you 19 negative, the numerous requirements that had to 19 or behind you? 20 be met to report a positive finding, the 20 A. I have materials in front of me, to 21 practice of retesting a positive result that 21 the side of me, and behind me. 22 sort of -- the head scratcher, that J4-1 was 22 (Whereupon, Exhibit 5, Photograph 23 never set out. There was no adequate method to 23 of materials the witness has, was marked detect chrysotile from the beginning. 24 for identification.) 25 The fact that improved sensitivity 25 Page 63 Page 65 1 methods were never utilized. The fact that 1 BY MR. EWALD: testing was not reliable and companies knew Understood. But the large paper about it from laboratory to laboratory. The sheets with papers on them, is that actually in 4 fact that other methods were known to be more 4 front of you right now? sensitive, but were not used for many years. I 5 A. I have papers in front of me and to 6 mean, you put all the totality together, you 6 the side of me. I don't think any are behind 7 know. me. I have them to the front of me and to the 8 Back in 1973 you look at the side of me is my understanding. 9 Federal Register. FDA says or the government 9 Q. And so at least from the picture, says it recognizes that asbestos -- it's 10 it appears that these are things, like your 11 reasonable to expect asbestos is going to be in 11 report, there's a clamped set of documents with 12 talc. And put in method J4-1, and it's always 12 an orange label on the front saying, 13 no asbestos is ever found, right. Asbestos has 13 "Processing Windsor Mill," right? 14 always been there. It's just been masked in my 14 That's the -- again, I apologize. 15 I have not seen the pictures. Counsel took the 15 opinion. 16 Q. Okay. Thank you. 16 pictures. It's not shared with me. But, 17 And how about this -- it's not as processing, yes, that's to the side of me. 18 much for you, Dr. Kessler, as much for Suzanne, 18 There are pictures of -- those are folders to the court reporter, to get a short break. the side of me, yes, sir. 19 19 20 And how about this: Let's go off 20 Okay. And so I don't want to get 21 the record. And I saw you a couple of times 21 too bogged down on this. looking down, which is totally fine, at what 22 But the clipped sets of documents 23 with orange titles on the front, those are 23 was in front of you. 24 MR. EWALD: So, Leigh, if during 24 located to your right? the break you can take pictures of the 25 25 That's correct.

		I	
,	Page 66		Page 68
1	I'm going ask to counsel just a	1	MR. EWALD: I understand. I guess
2	quick question.	2	I only received maybe we can do this
3	MS. O'DELL: John, one thing would	3	off the record.
4	be helpful is if you're describing it, if	4	THE COURT REPORTER: Would you like
5	you put up the picture so he sees what	5	to go off the record?
6	you're seeing, because I did not show	6	MS. O'DELL: No.
7	those to Dr. Kessler.	7	MR. EWALD: Okay. I got one
8	MR. EWALD: Sure.	8	picture. Over the break we'll figure this
9	MS. O'DELL: John, if you want	9	out.
10	someone to have a more detailed look at	10	BY MR. EWALD:
11	these, you're welcome to send someone	11	Q. Anyway, the orange piles with
12	over. Obviously, Johnson & Johnson is	12	A. Yes, sir.
13	quite close; and they can look at these	13	Q or the piles with the orange
14	materials.	14	label in front, who put those documents
15	MR. EWALD: I appreciate that. And	15	together?
16	I do think that after the deposition, I	16	A. They were done with me, and I had
17	would ask on the record that they be kept	17	two I apologize for the term two task
18	where they are in the deposition. And we	18	rabbits that sometimes come to the house and
19	will have somebody either copy them or	19	helped me paste papers on paper over the
20	take a look at them.	20	weekend.
21	BY MR. EWALD:	21	Q. Okay. On the preparation for
22	Q. But right now what I'm just trying	22	today's deposition, how many times did you meet
23	to figure out is what, if anything, do you have	23	with counsel to prepare for today's deposition?
24	in front of you right now, Dr. Kessler?	24	A. I don't mean to be you know, I
25	A. So I have a pad that has about	25	don't mean to parse your question. I mean,
1	Page 67 don't hold it to me maybe it's 20 pages,	1	Page 69 I've been preparing for the deposition for a
2	okay. It's clipped with one clip, and there '	2	long time. So I think what you mean,
3	a page in front of me that says, "Folders."	3	Ms. O'Dell came to the house yesterday, I think
4	And all those orange things that	4	a little on Saturday; and Sunday Dr. Thompson
5	are to the right of me have a name, and that	5	similarly arrived this weekend. But, you know,
6	list of all those folders are there. So and	6	obviously, preparations over everything is
7	then I have on the pad in front of me, I	7	preparation.
8	have about 10, 15 pages of paper that have	8	* *
9		9	Q. Okay. And did you meet with any lawyers in preparation for today's deposition
10	various documents that are pasted on those pieces of paper.	10	last week?
11	And the first page is that goes	11	A. I'm sure there were calls on I'm
12	to the what I think is the essential you	12	sure there were telephone calls last week.
13	asked me about the question about what I have	13	Yes, I'm sure.
14	been researching and studying, the ways	14	Q. But were there there were not
15	asbestos in fibers were masked in front of me.	15	any in-person meetings with counsel in
16	MR. EWALD: So we would request	16	· ·
17		17	preparation for today's deposition last week? A. No. Everything was my
18	over the next break pictures of the 15 pages that are actually in front of	18	recollection was Saturday and Sunday.
19	Dr. Kessler. The question	19	
20		1	· · · · · · · · · · · · · · · · · · ·
	MS. O'DELL: I would say, John, we	20	retained as an expert in this case, what did
21	provided a picture of that. So I sent	21	you know about asbestos?
22	three pictures, and I gave you a picture	22	A. I certainly knew about the asbestos
23	of, not every page, but certainly what is	23	as a cause of mesothelioma.
24 25	in front of him. And so just trying to short circuit this.	24	Q. Okay. What else?
	SHOTT CITCUIT UIIS.	25	A. I certainly you know, I had

Page 70

- 1 gone -- I had come out of a generation of -- I
- 2 mean, my work -- my early work was in
- 3 laboratories of cancer research. So I was
- certainly -- I mean, always certainly general
- aware of the theories of carcinogenicity.
- Did any of your lab research relate to asbestos?
- 8 Not the -- no. I mean, it was only
- carcinogenicity and the mechanisms of
- 10 carcinogenicity. And certainly, you know, I
- 11 was involved in tobacco carcinogenicity. Before you were retained as an
- 12 13 expert in this case, did you ever hear the word
 - "asbestiform"?
- 15 I'm sure I've heard the word
- "asbestiform." I don't have a specific
- recollection, but I'm sure I've heard the word
- "asbestiform."
- 19 Did you have an understanding --Q.
- 20 A. It --
- 21 O. Go ahead.
- 22 I apologize. I stepped on you. A.
- 23 Did you have an understanding --
- 24 that wasn't the best question by me.
- 25 Did you have an understanding,

1 in this case, were you aware that there were different types of asbestos?

- A. Again, I don't have an exact sense 3
- of -- you know, I do -- there were different
- minerals, et cetera, that were -- that could --
- they were classified in fiber form. And as
- asbestos, I don't remember exactly what I knew
- before or afterwards. It's somewhat of a blur.
- 9 sir.

10

11

12

- Do you -- before being retained as an expert here, did you have an understanding that there were non-asbestiform amphiboles?
- Probably not in any detail, I think 13 14 would be fair.
- 15 Did you have an understanding of 16 what an amphibole was before being retained as an expert here? 17
- 18 No. There's some geology, but --19 and, again, other than -- and I've done, you
- 20 know -- I was certainly schooled in organic
- chemistry, et cetera. So, again, I had some
- basic -- you know, some basic fundamental
- science knowledge, probably more than the
 - average person; but I don't remember exactly
- 25 what I knew.

Page 71

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- 1 before being retained as an expert in the case
- here, as to what "asbestiform" meant?
- 3 A. I don't remember exactly the gradations of knowledge. I couldn't answer
- 5 that. I think the -- you know, other than
- asbestos, it was a general understanding of
- that. I don't recall exactly the line before 7
- 2016 and after 2016.
- 9 I have done enough, you know, that
- 10 I was in charge of the National Center For
- 11 Toxicological Research -- people don't realize
- 12 that -- at FDA. But I did a lot of
- 13 carcinogeneses research in fundamental
- 14 mechanisms, biological inflammatory, chronic
- 15 inflammatory, the particle-induced. So I mean,
- 16 there was a general understanding, but not more 16 BY MR. EWALD:
- 17 than that.

22

25

- 18 But to be clear, you're not aware
- of doing any research relating to asbestos 19
- specifically at the time you were at the
- 21 National Center For Toxicological Research?
 - I wasn't -- I was in charge of
- 23 that, NCTR, right, in Arkansas. But I did not
- 24 involve myself in any asbestos research.
 - Before being retained as an expert

1 Okay. Before being retained as an expert in this case, did you have any knowledge regarding laboratory testing methodology for the presence of asbestos? 4

MS. O'DELL: Object to the form.

THE WITNESS: Not -- only varied -only very generally. Not in any great form. I'm certainly familiar with the

different methods before.

But, again, my answer is the same. It's vague of exactly how my knowledge evolved by 2016. The general methods probably, but I did not spend a lot of time on methods; and it wasn't a prime subject of my research.

- 17 When you say "a general 18 understanding of the different methods," what general understanding did you have in 2016?
- 20 Well, I mean, I was trained in -- I
- 21 can -- you know, going back to the electron
- 22 microscope, TEM, my undergraduate days,
- 23 et cetera, so I have general knowledge of different kinds of methods and as they could
 - apply to different kinds of biological agents;

Page 74 Page 76 1 but it was a general scientific sense. 1 right? 2 Okay. And so I take it --2 A. Well said. 3 3 I had not studied -- I'm sorry. Q. And you're not a microscopist? A. Let me stop there. I apologize. 4 Well, so let's just be careful. I 5 Q. I was going to say that the -- am I 5 am certainly -- you know, how do you want to correct that before being retained as an expert define a "microscopist"? 6 6 in this case, you were not aware of any testing 7 You have wonderful -- you and I am methods specifically as it relates to asbestos? sure both have qualified experts in all these 9 MS. O'DELL: Object to the form. areas. I'm not -- let me see if I can be 10 THE WITNESS: I don't -- I don't helpful to you. 10 11 recall what I knew exactly before. 11 I am not your geology, mineralogy, 12 microscopist expert, right. My reg -- I can be 12 BY MR. EWALD: 13 Q. Okay. Before being retained as an 13 hopefully helpful as the intersection of those 14 expert in this case, did you know anything areas with the regulatory world. But I mean, about the chemical and geological relationship honest, pure geological question, while I had 15 15 16 between talc and asbestos? in order to understand the regulations, as is 17 Not in exquisite form. You know, I always is the case, you have to have an 17 18 had some general understanding of basic understanding and study the geology. 18 principles but not in specific form. 19 Certainly, other experts should 20 What basic principles did you 20 testify, I mean, on the geology, mineralogy, 21 understand before 2016 about the chemical and 21 and microscopy aspects. I do not want to get geological relationship between talc and 22 involved. 23 asbestos? 23 As it relates to regulatory 24 A. Well, there was probably some, you 24 questions and the opinions I've given, I have 25 know -- again, I apologize. I just don't have to be comfortable in that intersection. But Page 75 Page 77 1 a very clear demarcation in my knowledge. I that's been my whole life, and that's been my 1 mean, I was not -- the one thing -- I mean, I whole training experience. 3 had some general understanding of geology. You 3 Q. Okay. So are you -- I'm not clear. Are you suggesting that you are an 4 know, I come from a place that had a very 4 5 strong geology history. But the -- there were expert in microscopy? 5 A. Well, I certainly have an 6 certainly gaps in my understanding prior to 6 understanding of microscopy, a basic 7 involvement in this matter. 8 Q. When you say you "come from a place understanding, right, more than the general person. I mean, I've done microscopy. I've with a great geology history," where are you done, right, but I will -- I'm not going to 10 referring to? 10 testify on microscopy. 11 A. Well, my college. I mean, it has a 11 12 But obviously, if there's a lab 12 very strong -- some of the great geologists of 13 test that is regulated by the agency that 13 the prior two centuries come from that place. 14 involves microscopy, then I have to understand 14 You go up -- there was a very significant 15 investment in geology as a fundamental science 15 enough to understand that intersection. 16 it was involved in. But, again, I mean, I was 16 Q. When you say you have a basic 17 on the biological side of that; and there were 17 understanding of microscopy, you've done 18 gaps in my understanding. 18 microscopy, what microscopy have you done? 19 If you want to give me a urine 19 Q. Did you take any geology courses in sample, I can look and see whether you have a 20 college that you can remember? 21 Not that I -- I took inorganic 21 bacterial infection. I can do a basic gram 22 stain under a -- you know, under a microscope. 22 chemical courses. And you're not a geologist, right? 23 I can look at certain pathological fixated 23 24 A. I'm not a geologist. 24 slides stained with various chemicals. I have 25 done that. 25 Q. And you're not a mineralogist,

Page 78 Page 80 1 Again, sir, I do not want -- I am 1 clinically trained scientist, doctor about 2 not going to be the microscopist, only to the that. I don't think I had any more knowledge 3 extent that you would expect a physician of that, sir. 4 Before the last break, you were scientist regulator, who is -- I mean, I spend O. my life regulating diagnostic and laboratory 5 talking about certain things with respect to 6 tests; and microscopy is a part of that. the grinding, crushing, and milling process of 7 7 The science of microscopy, please talc. 8 Before being retained as an expert 8 have other experts. If it relates to FDA and in this case, what, if anything, did you know diagnostic tests, I'm happy to discuss that. about the mining of talc? 10 Q. Okay. But it's fair to say that 10 11 A. I had not spent time studying that 11 you have never personally used any testing at all, so I mean, I did not study that. I 12 12 method to attempt to detect the presence of asbestos in any media? 13 could not tell you the particle size. I could 14 14 not tell you the specifications. I could not A. That would be fair. 15 tell you what the effects were of that process 15 And it's fair to say that you've 16 before I -- before 2016. 16 never witnessed someone else test media for the presence of asbestos using a microscopy method? 17 All right. Are let's talk about 17 18 your process for the work in this case. And I 18 A. I reviewed, you know, hundreds and want to start with the more recent work you did 19 hundreds of documents that, I mean, is part of the record that involved that. But the answer 20 from approximately spring 2023 until today. 21 And I guess the question to you is, you were 21 to your question is no. I mean, I have not. 22 But I have -- I mean, I am 22 asked -- well, let me pause for a moment. 23 If you go to paragraph 25 of your 23 certainly comfortable in reading reports that 24 report please. 24 result from tests where, the microscopy TEM. I 25 mean, that's what I do. 25 Yes. sir. Page 79 Page 81 1 What, if anything, did you know All right. So you say in 1 paragraph 25 that "after leaving government about the -- let's put it this way: Before being retained as an expert in 2016, what, if service in January 2023, I have had the anything, did you know about talc? opportunity to review more documents discussed 5 A. I had a very basic knowledge of 5 above." Right? talc. It was just general knowledge of talc. 6 A. Yes, sir. 6 7 What did you generally understand 7 Q. Q. And is that in part at least 8 about talc? 8 considered -- referring to paragraphs 12 and 13 9 I had some general background A. in the preceding pages? knowledge, and I can't quite remember it. I 10 A. I would have to look, sir. I mean, I certainly was aware that there was some 11 don't --12 controversy around talc. I don't think I ever 12 O. Sure. 13 dealt with that or studied that controversy. 13 Sure, sir. 14 But I think that I, you know -- I 14 Okay. And so in paragraph 12 it 15 mean, I'll tell you that I lived -- you know, 15 talks about what was available to you, 16 again, it's very hard to know exactly in 2016 including the MDL discovery repository, 17 what I knew when. My brain just doesn't deposition transcripts and exhibits, trial 18 compartmentalize that. But generally, I mean, testimony and exhibits, all the documents 19 I thought there was a world of asbestos and 19 available on Johnson & Johnson's website Review 20 there was a world of talc; and I didn't connect 20 the Evidence page, it talks about talc, and

22

23

21 FDA's website, correct?

Yes, sir.

All right. And then you talk about

24 the documents you considered are listed in

25 Appendix C. What I'm going to do is -- my

A.

Q.

A.

22

23

24

them. I never studied the relationship to have

I think I had the general view of,

any real deep appreciation of that.

25 you know, the average doc, the average

All right.

Page 82 1 understanding is that there was a materials think, pretty extensively with the frame--considered list that was included as an with the regulatory framework of cosmetics, 3 right. So let's put that -- I mean, I start appendix in your November 2023 report, right? 4 Correct. with that. 5 MR. EWALD: We'll mark that one as 5 Q. Okay. 6 Exhibit 6. 6 A. I start with the basic Food and 7 7 Drug Regulatory framework, right. And (Whereupon, Exhibit 6, Reliance 8 List Initial Report, was marked for certainly reviewed that again as I reentered 9 here, right. So I wanted to see where I left identification.) 10 BY MR. EWALD: 10 off. 11 And then there was a First Amended 11 As you can tell -- again, let me just digress a little. The opening report 12 Appendix C For Materials Considered after that, 12 13 correct? 13 dealt with a few -- besides the statutory 14 A. Correct. 14 framework and what were the general 15 MR. EWALD: We'll mark that as 15 requirements, it dealt with a few of the key --16 Exhibit 7. 16 if my recollection is right, I mean, it based 17 17 my -- I based the report off some key -- what's (Whereupon, Exhibit 7, First 18 Amended Appendix C Materials Considered 18 the right word -- key sentinel states of 19 was marked for identification.) pronouncement from the federal government to 20 MR. EWALD: And then there was a 20 other agencies. 21 Second Amended Appendix C Materials 21 So, for example, if my memory is 22 Considered dated April 1st, 2024. We'll 22 right, you know, I dealt with -- I looked at 23 mark that as Exhibit 8. 23 the FDA's response in 2014. I looked at IARC. 24 And so there was a general let's look at the 25 record that FDA put in that report. I think I Page 83 Page 85 1 (Whereupon, Exhibit 8, First updated it from 2014 to be complete. But I 2 Amended Appendix C Materials Considered didn't go beyond those, I mean, specific 3 was marked for identification.) sentinel events that were cited in that opening 4 report. I did that in the beginning in spring 4 BY MR. EWALD: 5 5 Q. Is that the most recent materials of 2023. considered list that you have for this case, 6 6 You know, the first question for me 7 sir? was, well, what's the record here; how do I 8 That all tracks with my make sure that I'm looking -- you know, I'm A. understanding, sir. basing opinions on a complete record, 10 All right. And the materials recognizing there's no such thing as complete 10 11 considered list -- unless I say anything 11 information. 12 differently, we'll work off of Exhibit 8, which 12 I don't think anyone has complete 13 is the second amended. 13 information over a 50-year-history, you know. 14 There is documents, and you only have what's And that one is 84 pages long, 15 correct? produced and what people can find. So the 16 first question was: What's the evidentiary 16 A. I take your stipulation. Whatever 17 you stipulate, I'm happy to agree to. 17 base of which to look. Okay. So given your knowledge 18 18 The thing that I sort of -- what is 19 level of the topics that we discussed before 19 the right word -- stumbled upon or I saw was, talking about the materials considered, walk me 20 in asking the question what's the record to through your process in how you researched the 21 answer these questions, I found this, you know. 22 questions that were posed to you in connection 22 In the Facts About Talc there is --23 with your November 2023 report? 23 if you put it up -- I think there's a section 24 So I have a number of -- I mean, 24 there called "The Evidence" or something like 25 you start with my -- opening report dealt, I 25 that where someone for the Johnson & Johnson

Page 86 Page 88 1 says here is the evidence, go make up your own it was exactly that. 2 mind. And there are a lot of documents. Most In fact, there were about five or 3 of those are trial exhibits, but, again, put six different sets. You can tell they were together by the defendants. 4 D documents or P -- I mean, I'd have to go 5 look. They were marked different ways. So 5 And I think then there were a you've got to -- it was clear that they came 6 series of Daubert hearings or whatever. I focused primarily on the underlying documents from a number of different sources. that were put on by the -- by Johnson & Q. Okay. And so did you conduct any Johnson. So that was the first bucket, as I searches in that initial phase of looking at 10 put in that footnote. 10 Facts About Talc? 11 And then I asked for access to the 11 A. My first effort that I recall was 12 entire discovery database. And in that it 12 to go through those documents. 13 included all the materials produced as well as Q. When you say "go through those 13 14 there were -- you know, there are many 14 documents," you reviewed every document that 15 depositions and a lot of other documents that 15 talks about talc? 16 went into that discovery database. So I 16 A. I attempted to, yes. I attempted 17 reviewed the Facts About Talc. I reviewed to look at every -- that's why my numbers and 17 18 those documents. 18 my hours are relatively high here. I actually wanted to look at -- I mean, I don't want to 19 And then I did -- a majority of the 20 time would probably be -- you would say would 20 represent that I studied in detail every 21 be -- the best way to characterize it is spent 21 document, but my goal was to at least scan searching a database for over the months, that 22 every document to the extent that my technology 22 23 discovery database. 23 allowed me to do that and my -- the numbers of 24 Q. Okay. So it's your testimony that 24 hours that I had. But I don't want to 25 the first thing you started researching was represent, again, that I studied every Page 87 Page 89 going to J&J's Facts About Talc website? 1 document, but I attempted to do that. 2 Okay. And walk me through your 2 A. I'm not sure first. That was 3 process when you're looking at these documents. 3 certainly right up there. I asked -- I wanted Are you taking notes along the way? 4 to make sure I had access to, you know, all, 4 5 A. You know, thanks to Apple and you know, what people considered to be the whatever, we have iPads now; and there's a 6 record in this case. I mean, there's no -- so swipe feature. And my recollection is that I 7 I'm not saying, you know, the records are a 8 vast, you know, concept here; but that seemed 8 did mark documents. 9 9 to be a good -- again, I don't want to say --I don't want to get too much into the -- I don't want to cross the line -- let me 10 maybe I looked at the discovery database before 10 11 I looked at the Facts About Talc. I can't tell look at counsel -- of what's processed in preparation of reports, et cetera. 12 you exactly the order. 12 13 MS. O'DELL: We will take the 13 But very early on from the 14 position, John, anything that are his 14 beginning, I wanted to see, all right, what is 15 the evidence that the defendants are putting 15 notes that ultimately became part of the report would be work product and be 16 forward in this matter; and it was all there. 16 protected as part of drafts of the report. 17 I mean, it wasn't all there, but there was a 17 That is my position on that. 18 lot there. 18 19 MR. EWALD: And I, at this point, Well, is it your understanding that am not pushing for any of that. I'm 20 20 Facts About Talc includes exhibits admitted at trying to understand what exists. 21 trial by both parties? 21 A. Yes, sir, exactly. I thought that 22 BY MR. EWALD: 22 23 that was a good place to start, right. The 23 And so without getting into the 24 fact -- that was the assertion. Here's 24 content of that, you say you marked different documents as you flipped through your iPad. 25 something, go make up your own mind, right. So

Page 92

Document 33115-4 PageID: 231779 Page 90 1 Are you saying you marked -- let me 1 with respect to the MDL document discovery put it this way: What did you mean when you database, how did you navigate your way through said you marked the documents on your iPad? 3 that? 4 Exactly that. I mean, I used a 4 A. There's a search bar. stylist, and I would circle -- I mean, it's 5 Q. Okay. possible I -- you know, I mean, I actually 6 Right. And, you know, 40 years of scribbled, right, something on a number of 7 experience of searching documents, you know, those -- on those pages as I was going through 8 I'm very comfortable, you know. I sometimes them. I actually marked those documents -have a hard time printing those documents. I 10 marked certain documents. get stumped from those grainy PDFs. But, 11 O. All right. So before actually otherwise, I'm comfortable searching terms. 12 going into the discovery database or the Facts 12 What sort of search terms do you 13 About Talc website, did you review any, for 13 remember entering? 14 lack of a better word, background documents on 14 A. I have probably entered over at 15 the topic? 15 times hundreds and hundreds of different search 16 A. My opening report. 16 terms. If there's a subject matter in my 17 Okay. And so before going into the 17 report, you can look at any page; and I can 18 Facts About Talc or the document discovery 18 probably tell you in my report, you know, database, you didn't receive sort of a starter generally. These are -- the stuff in my report 20 pack of materials from plaintiff's counsel 20 are the stuff that I searched. You can assume 21 about the asbestos controversy? 21 that key words from these areas are the words I can tell you I didn't want any 22 22 that I searched. 23 starter materials. 23 Q. Do you have an understanding of 24 24 approximately how many documents are in the MDL O. Okay. 25 I mean, I resisted. Now, there may 25 discovery database? 1 have been -- going back to 2016, you know, I 1 A.

may have asked -- you know, in the opening report it may have been a little different. I may have asked for this CIR ingredient review. I may have asked for the citizens' petitions. 5 I think I asked for all -- if my 6 7 recollection is right, I asked for all the documents that were cited in the 2016 FDA response. So there I did ask counsel, but 10 not -- I mean, for this -- for the -- for this 11 report that you have in front of you. It was 12 me and the databases. 13 So -- go ahead. Q. 14 Please. A. 15 When you went to the database, how 16 did you navigate your way through there to look 16 17 for documents? 18 Well, again, there's multiple

databases, right. So Facts About Talc, Facts

ultimately or some kind of image, and I'm

24 clearer. I understand the Facts About Talc.

marking them; and I'm swiping.

About Talc -- I'm scrolling through these PDFs

And, I'm sorry. I should have been

What I unartfully meant to ask is,

Page 93 Not as many as I would have expected. O. Okay. Well, that means you have a sense of how many are in there.

How many do you think are in there? I can only tell you what's not when you're looking for stuff. I mean, this is 50 years, right. I mean, this is 50 years. So I respect that. But I'm -- you know, I assume that

11 there are millions of documents in that MDL. 12 But there are also areas that I couldn't find 13 stuff in the discovery database, but I assume 14 there's millions. I never actually looked at 15 the total count. In connection with your searching

18 in time -- I don't want to know the specifics -- but at any point in time, did you ask counsel for help on, you know, what to look 20 21 for? 22 A. What to look for?

of the MDL and discovery database, at any point

23 Q. Yes. 24 A. Yeah.

Okay. Q.

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	1	Page 94	1	Page 96
	1 2	A. I may have asked counsel if I	$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	conversations, but I was literally dictating to counsel or to legal staff
	3	couldn't print the document or give them a Bates number. I had some problems at some	$\frac{2}{3}$	what documents I had at that period of
	4	point getting PDF imaging. There's always	4	time, had looked at; and I wanted to make
	5	natives that you get back and sometimes so I	5	sure it was on the list. So I would tell
	6	would ask them to print off documents. Let me	6	staff those.
	7	just I mean, I gave counsel documents.	7	And at one point I again, I
	8	Q. Okay. Let's look at your Second	8	don't want to waive anything I said,
	9	Amended Appendix C, that's Exhibit 8. Let me	9	hey, just make sure to the other side,
	10	know when you have it in front of you.	10	they know I don't want them to have to
- 1	11	A. Thanks, sir. I do.	11	go through the whole list and have to go
- 1	12	Q. And if you turn to the first page,	12	search for everything again. So I mean,
- 1	13	my understanding from communications with	13	that was the import of that.
- 1	14	counsel is that the highlighted materials are	14	BY MR. EWALD:
- 1	15	some of the newer materials that were added to	15	Q. If you also flip through this,
- 1	16	your list.	16	leaving aside the yellow highlighting, there
	17	Do you have any understanding of	17	are some materials that are bolded.
- 1	18	that?	18	Do you know anything about that,
- 1	19	A. I do not know exactly the what's	19	why they are bolded?
- 1	20	been communicated. I leave it to counsel to	20	A. No, I have no idea. Again, I did
	21	represent exactly what was done here. I can	21	not not at all. Well, I have no idea how
	22	tell you what I did.	22	certainly, nothing from my perspective has any
- 1	23	Q. First of all, do you have you	23	significance.
- 1	24	seen a version of this where certain entries	24	Q. If we look at page 2 this isn't
- 1	25	are highlighted in yellow?	25	the only place that you identify it but
		<u> </u>		
	1	Page 95 A. I see that. But, again, I leave	1	Page 97 there are a number of depositions listed there.
	2	this the whole production of the considered	2	Do you see that?
	3	list to counsel. I do see it, and I'm aware of	$\frac{2}{3}$	A. Correct.
	4	it. And certainly, my goal	4	Q. We talked about the Facts About
	5	Q. Do you have I'm sorry.	5	Talc website. We talked about the document
	6	Do you have an understanding of	6	discovery database.
	7	the	7	•
				How did you go about identifying
	8			How did you go about identifying deposition and exhibits to review?
	8	MS. O'DELL: I think he wasn't	8	deposition and exhibits to review?
	9	MS. O'DELL: I think he wasn't finished.	8 9	deposition and exhibits to review? A. So there are, if I'm correct I
	9 10	MS. O'DELL: I think he wasn't finished. BY MR. EWALD:	8 9 10	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I
	9 10 11	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry.	8 9 10 11	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see
	9 10 11 12	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry. A. So my I'm sorry. I apologize.	8 9 10 11 12	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see which database. I believe the discovery
	9 10 11 12 13	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry. A. So my I'm sorry. I apologize. Let me just answer your question.	8 9 10 11 12 13	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see which database. I believe the discovery database has depositions in there and exhibits,
	9 10 11 12 13 14	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry. A. So my I'm sorry. I apologize. Let me just answer your question. Q. Sure.	8 9 10 11 12 13 14	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see which database. I believe the discovery database has depositions in there and exhibits, but I'd have to go back and double check that.
	9 10 11 12 13 14 15	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry. A. So my I'm sorry. I apologize. Let me just answer your question. Q. Sure. A. Just ask, again, your question.	8 9 10 11 12 13 14 15	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see which database. I believe the discovery database has depositions in there and exhibits, but I'd have to go back and double check that. So there were clearly so these
	9 10 11 12 13 14 15 16	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry. A. So my I'm sorry. I apologize. Let me just answer your question. Q. Sure. A. Just ask, again, your question. Q. My question was: Do you have an	8 9 10 11 12 13 14 15 16	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see which database. I believe the discovery database has depositions in there and exhibits, but I'd have to go back and double check that. So there were clearly so these were searched, I mean, at different points in
	9 10 11 12 13 14 15 16 17	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry. A. So my I'm sorry. I apologize. Let me just answer your question. Q. Sure. A. Just ask, again, your question. Q. My question was: Do you have an understanding of what the yellow highlighting	8 9 10 11 12 13 14 15 16 17	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see which database. I believe the discovery database has depositions in there and exhibits, but I'd have to go back and double check that. So there were clearly so these were searched, I mean, at different points in time. And if I'm correct, I did amass
	9 10 11 12 13 14 15 16 17 18	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry. A. So my I'm sorry. I apologize. Let me just answer your question. Q. Sure. A. Just ask, again, your question. Q. My question was: Do you have an understanding of what the yellow highlighting is intending to represent?	8 9 10 11 12 13 14 15 16 17 18	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see which database. I believe the discovery database has depositions in there and exhibits, but I'd have to go back and double check that. So there were clearly so these were searched, I mean, at different points in time. And if I'm correct, I did amass depositions in some kind of folder and just
	9 10 11 12 13 14 15 16 17 18	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry. A. So my I'm sorry. I apologize. Let me just answer your question. Q. Sure. A. Just ask, again, your question. Q. My question was: Do you have an understanding of what the yellow highlighting is intending to represent? MS. O'DELL: I will just represent	8 9 10 11 12 13 14 15 16 17 18 19	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see which database. I believe the discovery database has depositions in there and exhibits, but I'd have to go back and double check that. So there were clearly so these were searched, I mean, at different points in time. And if I'm correct, I did amass depositions in some kind of folder and just searched them generally as I searched the whole
	9 10 11 12 13 14 15 16 17 18	MS. O'DELL: I think he wasn't finished. BY MR. EWALD: Q. Sorry. A. So my I'm sorry. I apologize. Let me just answer your question. Q. Sure. A. Just ask, again, your question. Q. My question was: Do you have an understanding of what the yellow highlighting is intending to represent?	8 9 10 11 12 13 14 15 16 17 18	deposition and exhibits to review? A. So there are, if I'm correct I have to double check this the discovery I have to go back and double check this and see which database. I believe the discovery database has depositions in there and exhibits, but I'd have to go back and double check that. So there were clearly so these were searched, I mean, at different points in time. And if I'm correct, I did amass depositions in some kind of folder and just

Certain depositions I read, you

And you mentioned the -- I believe

23 understand. But the majority of the time I'm

24 searching, I'm searching these documents.

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the defense.

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would be apparent to you and others for

again, I don't want to get into

THE WITNESS: So I can add -- and,

Page 98 Page 100 1 exhibits"? 1 that there was a folder that was amassed with a number of these deposition transcripts. 2 A. Yes. 3 How was that folder -- how were the O. Who is Matt Sanchez? 3 4 depositions collected into that folder? 4 So Sanchez, I believe, is the one 5 They're downloaded and put in and 5 of the principals I think, if I'm right, at 6 moved in. And I kept -- I mean, I would 6 RJ Lee. sometimes save documents and download them 7 O. Okay. And how did you decide to And there were occasional times where I asked review all of his deposition and trial counsel could you send me in one place all the testimony exhibits? 10 exhibits to a deposition. 10 MS. O'DELL: Object to the form. 11 Q. So --11 THE WITNESS: I was probably 12 12 reading some kind of trial transcript and A. I mean, I would have the 13 deposition, but I could -- but as I'm reading 13 some testimony in trying to understand 14 the deposition, I said could you send me the 14 testing. And I wanted to understand -- I 15 bucket of all the exhibits that were attached 15 wanted to understand everything he was 16 to that. 16 saving. 17 As you sit here today, can you BY MR. EWALD: O. 17 18 recall any instance in which you asked counsel Q. Okay. Did you -- in your review of 18 19 for help on identifying depositions for you to 19 trial transcripts, did you review any attorney 20 review? 20 opening or closing statements? A. Possibly. Possibly. I think, you 21 MS. O'DELL: I object to that 21 22 question. You're asking for the content 22 know -- I mean, I have to go back. I have some 23 of his conversations with counsel. I recollection at some point of Ms. Brown 24 think that's beyond what's appropriate. maybe -- I mean, I think -- I forget exactly, 25 MR. EWALD: Well, to the extent but I was interested in seeing what defense was Page 99 Page 101 1 that you're -- you, as counsel, are saying. 1 2 providing materials to your expert, I 2 All right. And when you say in 3 believe that's clearly within the bounds 3 your materials considered "All Matthew Sanchez of Rule 26. And so I guess maybe I will 4 4 depositions and trial testimony exhibits," does slightly rephrase and see if you like this 5 that mean "all"? 5 6 one. A. No. Nothing in life means "all," 6 7 BY MR. EWALD: right. I mean, I -- I tried to, you know -- I 8 Q. Dr. Kessler, did counsel provide 8 certainly wouldn't want to represent that I you with any of the deposition transcripts that have every deposition and every testimony, but 10 you reviewed? 10 it was -- I mean, I asked counsel specifically A. I may have asked for certain 11 on Sanchez can I have all the exhibits and can 12 volumes. I mean, I -- one thing I am not good 12 I have the various testimonies. 13 at, I get very confused. I mean, I remember 13 And, again, my recollection is 14 was -- you know, how many days was this 14 that -- I mean, I was getting confused what 15 deposition, and I get all the days of this gets -- what is this testimony here. Is it 16 deposition, et cetera. 16 getting played in here? So I'm not sorting 17 So, yes, counsel did provide me 17 that out. 18 with depositions because, I mean, I would see a 18 I just wanted to -- I wanted to deposition or whatever. But there was --19 19 understand what Dr. Sanchez was saying. So I sometimes there are multiple depositions, and I mean, that was important to me. 20 got confused. Yes, counsel provided me with 21 21 Q. Okay. And so you did receive some 22 depositions. 22 testimony from plaintiff's counsel? 23 What about on the page 3, the next 23 A. I certainly -- my recollection is I 24 page over, do you see where it says, "All 24 know I asked for it. My tendency -- what's on 25 Matthew Sanchez deposition and trial testimony 25 the top of my head is I asked for exhibits. I

1	Page 102	,	Page 104
	rarely I wanted the exhibits in one place.	1	THE WITNESS: Could I just ask you
2	If I had a deposition or a trial testimony, I	2	for my sheet?
3	wanted the exhibits to be able to review	3	I think there's a sheet with that
4	simultaneously, right.	4	report. I can pull up exactly. I think
5	It's also, I'm sure, you know,	5	it is a referred to as the Third Amended
6		6	Report. I don't have the date in my head.
7	all of Dr. Sanchez's testimony, all days of	7	BY MR. EWALD:
8	that. I don't remember exactly what I said	8	Q. That's fine.
9	along the way.	9	A. Actually, I do have it. Thank you.
10	Q. Just above that a couple of lines,	10	I do. It's dated November 17, 2023.
11	it says, "All expert reports filed in this	11	Q. All right. So you said I don't
12	matter on November 15, 2023."	12	mean to put words in your mouth.
13	Do you see that?	13	Is that what you reviewed recently?
14	A. Yes.	14	A. It is certainly something that I
15	Q. And did you review all of the	15	asked for after my report.
16	expert reports filed in this matter on	16	Q. And what do you understand well,
17	November 15, 2023?	17	first of all, what, if at all, do you rely on
18	A. I had them made available to me, I	18	Longo 3 for in connection with your opinions in
19	believe, in a folder. And, again, I mean, the	19	this case?
20	reports that were done prior to let me be	20	A. So the only thing that I in
21	exact here.	21	Longo 3, I don't rely on anything in Longo 3.
22	There were reports that were not	22	Q. Okay. Why is that?
23	available to me that were submitted	23	A. Because my report was dated before
24	simultaneously with my report, right. You	24	I read Longo 3.
25	asked we are now looking at the Second	25	Q. So there's nothing that you
	Page 103		Page 105
1	Amended Complaint, right. My report goes in	1	reviewed after issuance of your report that you
2	end of last year. And I did ask for and I	2	are relying on for your opinions in this case?
3	have the the expert reports in a folder	3	MS. O'DELL: Object to the form.
4	can you let me download so if there's anything	4	THE WITNESS: From Dr. Longo that
5	I want to look at. And that was that was	5	I'm relying on? I mean
6	after my report.	6	BY MR. EWALD:
7	Q. And so what did you look at amongst	7	Q. No. I'm asking more generally. I
8	expert reports?	8	asked you why you're not relying on Longo 3.
9	A. I can't tell you. I don't have a	9	You said it was issued after your November 2023
10	recollection of every I mean, for example	10	report, correct?
11	I mean, I did look at Longo 3 after my report	11	A. Yeah. There's nothing that
12	was done. That's one that I remember looking	12	there's none of my opinions that I'm relying on
13	at.	13	Dr. Longo. There is nothing inconsistent here,
14	But, again, you know, I remember	14	I mean, with Dr. Longo; but there's nothing,
15	studying is it Laura Webb? I can't tell you	15	right.
16	when I looked at what of hers along the way,	16	And I do cite I mean, you know,
17	but I was very interested in what she had said.	17	I am generally aware and, you know, he's a
18	Q. Okay. When you say "Longo 3," is	18	world-class expert and will testify. And
19	that you're talking about what are you	19	there's nothing I'm saying that I don't think
20	talking about when you say "Longo 3"?	20	anything inconsistent, but I am not relying on
21	A. So I mean, I believe there was I	21	him. He is an expert; I am an expert.
22	mean, he has a third report. And I have it	$\begin{vmatrix} 21\\22\end{vmatrix}$	Q. What is your basis for you saying
23	pasted on I forget the date. I mean, I	23	he is a world-class expert?
24	think that was probably the report that got	24	A. Well, I think that there is, you
	I don't want to guess	25	A. Well, I tillik tilat tilele is, you

25 know, I mean, a career dedicated to studying in

25 I don't want to guess.

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Page 106 1 depth these matters. I went back, you know --2 I think, if I'm correct -- I mean, he goes back 3 to the -- I think he goes -- if you pull up his 4 CV -- I would have to have it in front of me --5 but it's a relatively distinguished CV. I have no disagreements, no 7 certainly -- but I am not relying on him, sir. 8 He is an expert. And I am just -- again, I'm 9 just an expert. I tend to -- there are 10 occasional times in my -- when I testify where 11 I will rely on an expert, just to be clear so 12 you understand, where my opinion is 13 necessitated or based on certain facts of 14 another expert, right; or I will make 15 assumptions based on another expert. I am not 16 making any assumption based on Dr. Longo or

anything like that. 17 18 He is not -- you know, he is not 19 necessary for any of my opinions. Again, 20 please full respect, full -- you know, no

21 disagreement. Don't read that I have any 22 distance or anything like that. That is not

the case. I'm just not relying on him as I am 24 using that word.

Do you consider Dr. Sanchez, Matt

1 those are distractions.

> 2 If you want me to -- if you are 3 pulling me in, I'm happy to be responsive. BY MR. EWALD:

Q. But are you referring to the Region 9 discussions --

7 That is one thing that is cited. But, again, I think -- you know, again, I think that's noise in the system. I am trying not to 10 pay attention to it.

O. I appreciate that. And more 12 broadly, though, do you have the expertise to 13 make a conclusion that you think that 14 Dr. Longo's conclusions are correct on testing and mineralogy and Sanchez's are wrong?

 A. I think you have to -- again, I 17 didn't say that. Those are your words, correct.

19 Q. I didn't say you said that. I 20 didn't say you said that. It's a question.

A. Do I have the expertise? So it is, again, what's very important here, what I think is -- what is central here is the context of this, right. The repeated statements over 50 years that no

Page 107

1 Sanchez, a world-class expert?

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2 You know, I'm sure -- again, I have not studied his CV or looked at it. I have nothing to -- again, I think there is a complicated history with RJ Lee. I don't want 6 to get into it here.

7 So let me just not -- unless you want me to get into that, you know, I have no opinions. I don't think it's important to this matter. I was very interested in the facts 11 that he -- you know, what he was saying.

Okay. And so what I'm hearing you 13 say is that you do think Dr. Longo is a 14 world-class expert, but not Dr. Sanchez; is 15 that what you're saying?

16 MS. O'DELL: Object to the form. 17 Misstates his testimony.

THE WITNESS: Yeah. I -- my -- if you want to get into it, I'm happy to -there were issues, very strong disagreements between certain government agencies and RJ Lee. I don't want to

23 implicate Mr. Sanchez in them. There is 24 references to the RJ Lee. Again, I'd like 25

to stay away from that. I think that

asbestos was ever found in any sample is just not credible in my view.

3 And if you look at what happened 4 here, you would expect that certain samples would have evidence of asbestos. Longo is 5 consistent with that.

7 And I am happy to go through in 8 detail what I think, you know; and I think it's the central aspect, right. You don't take talc 10 from Vermont, right, and process it with that 11 kind of knowledge about the basic geology, subject it to Raymond rollers and forces and 12 13 not have the effect on the type of fibers that you would expect -- that should be expected 15 there.

16 That and what Dr. Longo did, right, 17 despite 50 years of what I think are statements 18 that are troublesome in light of the evidence, 19 I mean, he persisted as, you know, I mean, 20 others before him, right, in trying to understand, right, what the public health risk 21 22 was. And I think that was -- in the face of 23 50 years of absolute denial, it was not

24 credible. I think this is one of the most 25 important public health stories. I mean, I

Page 112 Page 110 1 think it's right up there. do that today. But make no mistake. I am very Okay. And so you do realize that 3 during the entire time that Dr. Longo was doing 3 confident, right, of my ability. And, again, what you described was being paid as a I'm only as good as what the records show. plaintiff expert, correct? 5 But when you look at that record 6 A. I'm being paid as a plaintiff's and you apply some basic scientific regulatory 7 expert, sir. I think I can actually do your principles and you just look at the document, company and your client -- to be honest, all I to go in in 1972 or '73 and tell FDA no can do is tell you what I see. And that's all asbestos when you have Dr. Hutchinson, 10 et cetera, saying there is TEM and not playing 10 Dr. Longo can tell you, what he sees, right. 11 But I can tell -- let me -- let me finish the the agency straight, that is something that 12 answer to my question -- to your question. 12 should not have been done. And that is Yes, sir. 13 13 specifically within my expertise. 14 A. Okay. What -- what I see is in the 14 I know a misleading statement when 15 face of documents, right, that evidence of 15 I see it, right, based on the evidence. 16 fibers, asbestos fibers, asbestiform fibers, 16 Q. All right. So we have been going 17 were in talc. And in the face of processes 17 for about an hour and 15. It is also here on 18 that any -- if you think about it, you know, 18 the east coast almost noon. I am willing to do grind this up to 10 microns, right, put it 19 whatever on the timing wise and lunch break and 20 through meshes of minus 325, send it -- if you 20 everything else, Doctor. I'm also sensitive, 21 get a positive, send it to a different 21 again, to the court reporter's needs to make 22 laboratory, the variability between -- the lack 22 sure she gets a good record. 23 of reliability between these laboratories, the 23 So with that, let's go off the sensitivity, I calculate at 14 percent. 24 record. And we can talk about what we are 25 And to be able to have -- to state going to do next. Page 111 Page 113 1 no asbestos ever in front of the agency both in 1 (Whereupon, a break was taken.) 1976 and in 2016, over 50 years, that's just BY MR. EWALD: 3 not credible. 3 Doctor, can you make sure you have your amended report in front of you? What expertise do you have to reach 4 the conclusion that in 50 years of no asbestos 5 A. 5 Yes. 6 Okay. And if you could go to was not credible? Q. 7 paragraph 67 on page 18. What specific expertise in your background, beyond reviewing documents in this 8 A. I'm there. litigation, do you have to reach that 9 Q. Okay. 10 10 conclusion, sir? A. 67? Yes, sir. In that paragraph you 11 A. I have led some of the most 11 state, "In my opinion, once JNJ had evidence of 12 important investigations on scientific 13 a) the presence of asbestos because of its 13 regulatory matters in this country. Your 14 known carcinogenicity and absence of a 14 company knows that, okay. And I have done 15 that. I have done that. That is what I am 15 threshold dose; or b) the presence of 16 non-asbestiform amphiboles or fibrous talc, the 16 good at. 17 I can sit here if you'd like -- and 17 safety of their product was not established." 18 I'm prepared to tell you, your company, your 18 Did I read that correctly? 19 board, what I see, right. But it's not A. 20 Okay. And so is it your -- are you 20 credible, right, to say that there's never been offering the opinion that J&J talc products 21 asbestos here over 50 years. And I am happy to 21 22 show you the steps, right, that I put together. 22 historically contained asbestos?

There is no doubt in my mind that

J&J products, based on the record, contained

23

24

asbestos.

23 I'm only as good as what the evidence shows.

25 That's what my report does. And I'm happy to

24 And I'm happy to do that in detail with you.

Page 114 Page 116 1 Okay. And when you talk about strongly in '72, but I'm not saying it doesn't 2 under b) "the presence of non-asbestiform exist earlier. amphiboles," is that the -- does that mean that 3 Q. All right. Is it your opinion that non-asbestiform amphiboles of any size and the presence of non-asbestiform amphiboles in 5 shape? Johnson & Johnson talc powders render them 6 A. I don't draw a distinction. 6 misbranded? 7 Okay. And is it your opinion Q. 7 Let me just look at my report. that -- well, do you have on the first one a) 8 Certainly J&J did not substantiate the safety. about the presence of asbestos, I take it under 9 I mean, there is a lot of controversy that opinion you also believe that J&J's talc 10 10 surrounding non-asbestiform amphiboles, and J&J 11 products have been misbranded? did not substantiate the safety of their -- of 12 I don't want to -- I don't want to 12 that product. I am certainly saying that in 13 give a legal opinion, okay. I just want to be 13 this paragraph. 14 careful that I'm not giving a legal opinion. 14 Q. Okay. But is it your testimony 15 Because you have not substantiated -- I think 15 that the presence of non-asbestiform amphiboles 16 the answer was because you have not 16 in Johnson & Johnson talc is an adulterant? 17 substantiated safety and didn't have that 17 A. I would want to -- I just would 18 statutory warning, that safety was not want to search for -- do me a favor. If you 19 established. That would probably be a would be so kind -- I can search for it -- go 20 misbranding charge. 20 to that paragraph. I want to be precise. 21 Okay. And so I'm trying to 21 Can someone point me to the 22 understand as to how you're framing it in your 22 paragraph where I use the word "adulterated"? 23 mind, that you feel it is -- is it appropriate 23 I want to be precise on what I have to -- you feel it is not appropriate to offer 24 concluded. I can do it. I want to be exactly an opinion on whether certain parts of precise on that because you're asking me. Page 115 Page 117 1 21 CFR §740.10 have been complied with but not 1 Just for the record, I'm searching necessarily whether or not 21 USC §361 has the report. I just want to see the paragraph 3 been? 3 that you're referring to. 4 Q. I appreciate you telling us that's 4 No. I'm not drawing that 5 what you're doing. 5 distinction. I just want to be careful, you So I mean, I state exactly the way 6 know, what's a legal opinion and what's not. I 6 139 is phrased. I don't want to -- I base it 7 don't think it is the ultimate legal opinions 8 in this case. I mean, I think that I made it on the totality of the evidence. I don't believe I -- I say it is specifically 9 very clear if this product contains asbestos, 10 non-asbestiform amphiboles, the totality of the

10 it would be adulterated and the lack of the 11 warning would make it misbranded. 12 What about -- well, do you have a 13 particular time, a particular year in which you 14 say that this is when J&J talc products began 15 being misbranded? 16 A. I think that there is evidence 17 certainly beginning in 1972. I mean, I don't 18 give a -- I don't have a formal opinion. I 19 have not ascribed a time period to this. I

20 think that certainly there is evidence

22 is strong evidence of the existence of

21 beginning in 1972, if not before, where there

23 chrysotile in Vermont talc that would make the

product adulterated and, therefore, misbranded.

So I see that, you know, pretty

11 evidence. Q. Okay. So if I ask you do you have 13 an opinion whether or not J&J's talc products were misbranded because they contain -- well, 15 withdrawn.

Do you have an opinion as to whether or not J&J's talc products were adulterated because of the presence of non-asbestiform amphiboles? Your answer is you don't have one? MS. O'DELL: Object to the form. Mischaracterizes the testimony. THE WITNESS: I apologize. 139 goes to adulteration, and let me just

find -- let me do this again.

30 (Pages 114 - 117)

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Page 130 1 You're asking me now on and, 2 again, I think my opinion on adulteration 3 is based on the totality of the evidence 4 that I think the product is adulterated. 2 Let me just see where I conclude in a paragraph if anyone has it, I will 6 a paragraph if anyone has it, I will 7 find it where it has any conclusion on misbranded in the report. For some reason 9 I am not pulling it up. 10 Let me just go further. I have to 10 go again, if you can point me to where 12 my opinion that I'm saying it is 21 misbranded, I just want to I would 4 appreciate it. 18 BY MR. EWALD: 19 G Q. And my last question, which was 17 related to adulterated I think I understand 19 Let's turn to page 22 paragraph 78? 20 A. Yes. Thank you, sir. Give me a 21 second. Thank you, sir. 22 Q. Okay. And so we have here a 24 definition of asbestos. 1s think I and constitution of asbestos. Is think I an comfortable with 8 J&P's definition in paragraph 79, which is what 9 I've been generally using is 79. Charles of times where Dr. Kessler has looked to his left, 14 which is where Ms. O'Dell's face. I'm 18 not suggesting anything at 2 all improper, but there's been a number of 13 times where Dr. Kessler has looked to his left, 14 which is where Ms. O'Dell's face. I'm 18 not suggesting anything improper is going on, but it would be a heck of a lot better if 1 carn see Ms. O'Dell's face. I'm 18 not suggesting that anything improper is going on, but it would be a heck of a lot better if 1 carn see Ms. O'Dell's face. I'm 18 not suggesting that anything improper is going on, but it would be a heck of a lot better if 1 carn see Ms. O'Dell's face. I'm 18 not suggesting that anything improper is going on, but it would be a heck of a lot better if 1 carn see Ms. O'Dell's face. I'm 18 not suggesting improper is going on, but it would be a heck of a lot better if 1 carn see Ms. O'Dell's face. I'm 18 not suggesting that anything improper is going on, but it would be a heck of a lot better if 1 carn see Ms. O'Dell's face. I'm 19 not				
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because I am choosing not to be. I am not on camera because my camera is broken. Let me just see where I conclude in a paragraph—if anyone has it, I will find it. where it has any conclusion on misbranded in the report. For some reason I am not pulling it up. I am not pulling it up. I am not pulling it up. go — again, if you can point me to where my opinion that I'm saying it is misbranded, I just want to —I would appreciate it. By MR. EWALD: By MR. EWALD: By MR. EWALD: C. And my last question, which was related to adulterated —I think I understand your position. We may get back to misbranded. I Let's turn to page 22 paragraph 78? C. A. Yes. Thank you, sir. Give me a second. Thank you, sir. Give me a definition of asbestos. Is that you are using when you use the term in this report? A. I can pull up a — I have a sheet definition of asbestos. Is that you are using when you use the term in definitions of asbestos. I am happy to go through all of them. This is not my definition of abestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of them. This is not my definition of asbestos. I am happy to go through all of		~		•
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problem solve that right now. 25 that.	1			
	25	problem solve that right now.	25	that.

Page 122 Page 124 1 BY MR. EWALD: 1 I am happy to discuss -- let me 2 Q. Now back to the questions. 2 look at this whole list. 3 3 Doctor, when we had the I'm sure it probably comes -- so I 4 discussion we just had, you had talked about a 4 am happy to show you Figures 18 through 27 list in front of you of 50 different 5 definitions of asbestos in regulatory over definitions of asbestos; is that what you said? 6 the years; and I don't know whether I took 7 No. I have a list to my right. 7 it from this list, but it was, you know, a And I am happy to pull all the -- you know, 8 respected government agency. And I took there's a glossary -- I think it was done by 9 the defendants -- I think you can pick 10 the National Geological Service -- of different 10 many different -- I think it's a credible 11 definitions over the decades of asbestos to the definition early on. 11 12 point where you asked me what is my definition 12 I don't give it any more import 13 of asbestos. than anything else. I am very comfortable 13 14 Q. Okay. And so what I want to know 14 with J&J's definition. 15 is: When you use the term "asbestos" in the 15 BY MR. EWALD: 16 report without any citation to a specific 16 Q. You also cite in your report to source, what definition of asbestos are you 17 17 IARC 2010, correct? 18 using? 18 Well, there -- there are decisions 19 A. Again, you have to be a little 19 in IARC. I could do 2010 and 2012, I believe; 20 careful, again, because sometimes the word both talc not containing asbestos, asbestiform "asbestos" is used in a document, I mean, you 21 fibers, and then talc with. So I cite to a 22 have to look at what the person who wrote the 22 number of IARC documents. 23 document is referring to. 23 THE WITNESS: Could I have my IARC 24 But I think we can -- I mean, I am 24 sheets, please? 25 comfortable with 79.1 as a definition. 25 Thank you. Page 123 Page 125 1 Okay. And let's start, though, 1 BY MR. EWALD: with when you gave the definition of asbestos, 2 Q. Okay. And so can you explain to me you used IARC 1973, correct? 3 why you chose a 50-year-old definition of 4 No, I don't think I did. I used 4 asbestos for IARC when you had one from 2010, 5 the word "defined" -- the first time I used the for example, from IARC? definition -- well, I did definition -- I list A. I don't see any -- I see it -- to 6 IARC, but I give J&J's use of the word they be honest, I see 78 and 79 as very consistent. defined. There is a general discussion what 8 So I mean, there is no specific rationale. they designate it. 9 If you look at -- and, in fact, if 10 But then I used J&J -- I've always you look at the 2012 definition, I think that 11 used the J&J that was on J&J's specs, '73 definition, 2012 definition -- we can go 12 et cetera, and I've always used that. That's 12 look at it -- I think is cited in 2012. 13 what I mean, I think. 13 What about this, do you have --14 Okay. So are you suggesting that 14 IARC cites -- in IARC's 2012, you 15 what occurs in paragraph 78 is not a definition 15 know, that covers both, you know, asbestiform 16 that you include of asbestos in your report? 16 talc, asbestos talc without -- it uses -- in 17 No. Of course it's there. I don't 17 the sentence there, it says, "Asbestos is the 18 think there's anything very controversial about generic commercial designation for a group of that. But I'm telling you a very succinct naturally occurring mineral silicate fibers of 20 definition is in 79.1. 20 the serpentine and amphophile series. These 21 Q. And why, though, in 78 did you 21 include the serpentine mineral chrysotile also 22 choose 1973 IARC for the asbestos definition? 22 known as" -- I guess they added "white asbestos 23 I was searching for -and the five amphophile minerals actinolite," 23 blah, blah, "and tremolite." 24 THE WITNESS: Do me a favor. Can I 24 25 get my list of asbestos definitions?

And then they cite, open

	D 127		D 120
1	Page 126 parentheses, "(IARC 1973 USGS 2001)." So	1	one that matches, IARC '73, IARC 2012, J&J for
$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	IARC this is that is the definition that	2	50 years has a definition; and that was the one
3	IARC was using for over 50 years; and used it	3	that I felt most comfortable with. I am happy
4	again in 2012, as I see it.	4	to discuss the merits of the 2010 one. I
5	Q. Let's look at IARC 2010, which is	5	didn't I used the one that was in place for
6	on it's mentioned in your report, correct?	6	50 years.
7	And if we go to	7	Q. Are you comfortable discussing the
8	MS. O'DELL: John, would you put	8	merits of IARC 2010 and whether or not it is an
9	that in the chat, please.	9	appropriate definition of asbestos?
10	MR. EWALD: Yes.	10	A. If you want to spend the next two
11	Jake, please put it in chat.	11	hours, we can spend, you know, the discuss
12	THE WITNESS: Could someone else	12	the merits of using the terminology and the
13	hand me the full document from 2010, the	13	semantics and the complexities of using
14	full document?	14	something like asbestiform. I am happy to do
15	MR. KEESTER: Just checking. It is	15	that.
16	D-280, right, John?	16	Q. My question, going line by line,
17	MR. EWALD: Yeah.	17	sir I think your answer is you don't have
18	MR. KEESTER: Okay. Sending.	18	an opinion one way or another about whether or
19	BY MR. EWALD:	19	not the first sentence I read to you is
20	Q. Okay. Doctor, I'm looking at the	20	correct: "Asbestos is a commercial term that
21	Talc Not Containing Asbestiform Fibres Exposure	21	describes six minerals that occur in the
22	Data Introduction. It's page 277.	22	asbestiform habit: actinolite, anthophyllite,
23	A. Got it.	23	chrysotile, grunerite, riebeckite and
24	Q. IARC 280. And there at the bottom.	24	tremolite."
25	Hold on.	25	Do you agree with that, sir?
	Page 127		Page 129
1	Do you see where it starts with	1	MS. O'DELL: Object to the form.
1 2		2	=
l	Do you see where it starts with		MS. O'DELL: Object to the form.
2	Do you see where it starts with asbestos?	2	MS. O'DELL: Object to the form. THE WITNESS: I think I have
2 3	Do you see where it starts with asbestos? A. Yes, sir.	2 3	MS. O'DELL: Object to the form. THE WITNESS: I think I have answered the question. The definition
2 3 4	Do you see where it starts with asbestos? A. Yes, sir. Q. Okay. "Asbestos is a commercial	2 3 4 5 6	MS. O'DELL: Object to the form. THE WITNESS: I think I have answered the question. The definition that I am using is the IARC definition
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Page 130 Page 132 1 Obviously, IARC must have had some 1 without being asbestiform." 2 reason for changing -- to use different 2 Do you agree with that? 3 terminology between 2010 and 2012. But the '73 MR. O'DELL: Object to the form. that I cite is what IARC does in 2012, and I am 4 Asked and answered. comfortable with that. 5 THE WITNESS: I could not have been 5 6 Okay. By the way, in talking about 6 more explicit on what my definition is. 7 whether asbestiform is a scientific merit as a 7 There should be no complexity on what term, you have reached this opinion after not 8 definition I am using. even knowing what it was before being retained BY MR. EWALD: 10 as an expert in this case? 10 Q. How does your definition differ 11 I don't think -- let me just look 11 from this one, sir? 12 at your statement. If you go back, tell me 12 I don't see that as a definition. 13 where I said I didn't know about asbestiform. 13 It doesn't say define. J&J's definition in 14 MS. O'DELL: Excuse me. 79.1 gives you a definition. It says, 15 Suzanne, I had objected to the 15 "Asbestos is defined." 16 question. I don't know if you heard me, 16 I don't read your sentence that you 17 but I want to make sure that my objection read as asbestiform is defined as -- the 17 18 is noted for the record. sentence you just read, that is just a general 19 MR. EWALD: The record will reflect statement. I don't see the word "definition" 19 20 what the record reflects here. 20 in that sentence at all. 21 21 BY MR. EWALD: Where is that definition? 22 Q. So let's go to the second sentence, 22 Q. Let's take that definition. 23 "Similarly to talc, these six minerals occur 23 Do you agree with the statement more commonly in a non-asbestiform habit, and 24 that "Similarly to talc, these six minerals may also be elongated without being occur more commonly in a non-asbestiform habit, Page 131 Page 133 asbestiform." and may also be elongated without being 1 asbestiform"? 2 Do you agree with that sentence? 3 3 MS. O'DELL: Okay. Do you have Do you agree with that, whether it is a definition or not? that in front of you, Dr. Kessler? 4 5 A. I certainly agree that the first, I 5 Can you see it. 6 think, is a very factual question, right. You 6 THE WITNESS: I actually have my 7 would have to give me what the writer's own copy of this. So just -- I mean, I 8 was able to pull that. I mean, I would definition of asbestiform that is used by IARC in order for me to tell you whether I agree 9 appreciate the whole report, if someone 10 could get me the whole document so we can 10 with that or not. Well, what is the definition of 11 make sure I'm looking at the whole 11 12 "asbestiform" that you use? 12 document. 13 There again, I -- I define my terms 13 I think that's a complicated asbestos. I don't believe I set out an 14 14 sentence. I think there's a lot of 15 complexity to that sentence. Again, I'm 15 asbestiform definition. I think that is more appropriately discussed by the geologist and happy to discuss or happy to look at what 16 the geologist and mineralogist discuss. 17 17 mineralogist, and I think that's part of the semantic -- semantics over the last 50 years. 18 BY MR. EWALD: 18 19 Okay. So it's your view that it is 19 Q. Well, you are the one who is using appropriate for you to define what asbestos is, 20 the term "asbestos" throughout the report, and 20 21 I want to know what you mean when you use it. 21 but asbestiform is something that's outside of 22 And so I want to know whether or not you agree 22 your area of expertise? 23 with IARC 2010 that, "Similarly to tale, these 23 MS. O'DELL: Object to the form. 24 six minerals occur more commonly in a 24 Misstates his testimony. 25 THE WITNESS: You're way off, sir. 25 non-asbestiform habit and may also be elongated

Page 134

1 And please don't characterize me like

2 that. Okay?

BY MR. EWALD: 3

- 4 I'm trying to understand what your 5 testimony is. Your testimony, you said --
 - Well --

6

- 7 Q. Hold on, sir. The question is not
- pending yet. I will tell you what the question
- is. And you said I think that it is more
- appropriate that the asbestiform, that
- 11 definition is something that is dealt with by
- 12 the mineralogist and geologist; and that is a
- 13 semantic argument.

14 That's what you said, sir, right?

15 I responded to your question when 16 you asked me what the definition was of

- asbestos, okay. You're asking me for the
- 18 definition of asbestos, was your question. I
- gave you the definition of asbestos. 19
- 20 You wanted me to use this sentence 21 as the definition of asbestos, and I resisted
- 22 because I didn't think it was either meant by
- 23 IARC -- I think you are twisting those words,
- 24 right. And -- and I am using -- the definition
- 25 couldn't be more clear.

Page 135

- 1 I mean -- I mean, if you're the chrysotile or you're the fibrous, one of those
- five minerals, that's, in my view, asbestos.
- Okay. And so I will have more 4 questions about asbestos definitions, but for now I want to know what your definition of 7 asbestiform is.
- 8 And am I correct you don't have
- 9 one?
- 10 MS. O'DELL: Object to the form.
- Misstates his testimony. 11
- 12 THE WITNESS: I don't believe in
- 13 my -- I don't believe that I offer the
- 14 definition of asbestiform in my testimony.
- 15 I would have to double check --
- 16 BY MR. EWALD:
- 17 O. So --
- 18 -- with my --
- 19 Go ahead.
- 20 Without -- so, sir, when you
- 21 read -- well, withdrawn.
- 22 Am I correct that you have read
- 23 documents, over the 830 hours that you've spent 23
- on this second report, that have used the word
- 25 asbestiform?

Page 136 1

- I certainly have read documents
- 2 that have used the word asbestiform.
- 3 And so what -- when you read that word, what meaning do you ascribe to it?
- It depends what the writer meant by 5
- 6 it. If you go back and look at -- and I'm
- happy to provide you with a cite. The National
- Geological Service has a glossary, a couple
- 9 of -- all where it has probably 20 pages of
- 10 definitions of asbestiform used by different
- people over time that have been defined in
- different characteristics by different 12
- 13 definitions.

14 So you've got to tell me who -- it

15 has to be read in context. You have to know

16 who's writing it, what definition they're using

17 over the 50 years. There's been many

18 definitions. I refer to that National

19 Geological Survey glossary.

- 20 Well, when you are going through a
- 21 document and it says asbestiform and it doesn't
- define it, how do you decide what the writer 23 meant?
- 24 A. You try to look at context, sir.
- 25 Okay. And what kind of context do Q.

Page 137

1 you look for?

7

8

11

12

- 2 You try to look at the rest of the
- paper. You try to look at the era that it's
- written in. You try to look at the other words
- just as you try to ascribe meaning to any word.
- Q. Okay. So tell me how does the era 6
 - depend on what asbestiform means?
 - MS. O'DELL: John, would you mind repeating the question please?
- 9 10 I didn't catch the first part.

 - MR. EWALD: What I understood from
 - Dr. Kessler is that one of the areas of
- 13 context is era.

14 BY MR. EWALD:

- 15 So what I want to know: How does
- 16 the era help impact the context of what
- 17 asbestiform means?
- 18 If you look at the National
- Geological Survey glossary, you will see by 19
- different categories, different dates, right,
- there are different definitions of asbestiform, 21
- right, that have been utilized, that different
- people have used; and meaning was ascribed at
- 24 different times.
 - Again, I am not going to sit here

1	Page 138	1	Page 140
	as an expert on the historical use of the word	1	A. I mean, there are there are
2	asbestiform. I don't represent myself as that.	2	certainly statements from that.
3	Q. But you are an expert on	3	Q. Okay. And these
4	understanding the historical use of asbestos?	4	MR. EWALD: Can I have the IWG
5	MS. O'DELL: Object to the form.	5	my IWG page, please?
6	THE WITNESS: I am an expert on	6	Let's see here.
7	when it comes to the regulatory interface	7	Thank you very much.
8	of carcinogens, potential carcinogens, in	8	BY MR. EWALD:
9	products that are used under the	9	Q. Okay. I want to put up here on the
10	jurisdiction of the Federal Food Drug and	10	screen and this is a cite to this December
11	Cosmetic Act.	11	2021 white paper from the Interagency Working
12	BY MR. EWALD:	12	Group on asbestos throughout your report,
13	Q. I believe you said that use of the	13	right?
14	term "asbestiform" is semantics; is that right?	14	A. Put that in the chat.
15	MS. O'DELL: Object to the form.	15	MS. O'DELL: Yeah. You read my
16	That's not what his testimony was.	16	mind.
17	THE WITNESS: Every word has a	17	John, are you marking this as an
18	semantic derivation.	18	exhibit?
19	BY MR. EWALD:	19	And if so, I suppose this is
20	Q. What do you mean by that?	20	Exhibit 9. And then put it in the chat.
21	A. Well, I mean, there there	21	MR. EWALD: We'll mark it as nine.
22	there's meaning to describe can I get if	22	Thank you.
23	you have I don't have it with me the	23	
24	NGS Glossary, right.	24	
25	I mean, by definition, language and	25	
	Page 139		Page 141
1	the how I mean, the fact that the word	1	(Whereupon, Exhibit 9, White Paper:
2	asbestiform can have different definitions	2	IWGACP Scientific Opinions on Testing
3	among the gee in that history and in that	3	Methods For Asbestos in Cosmetic Products
4	glossary by definition is a is in the field	4	Containing Talca Bates labeled P-2318
5	of semantics and have meaning.	5	through P-2318_030, was marked for
6	Q. And so is it your opinion, then,	6	identification.)
7	that it is it's not important to you to	7	MR. EWALD: And this one, Jake, is
8	understand what semantics means because it's	8	P-2318.
9	it's changed in your view over time?	9	MR. KEESTER: I just put it in.
10	MS. O'DELL: Object to the form.	10	MR. EWALD: Yes.
11	THE WITNESS: No. I	11	MR. KEESTER: And, John, really
12	MS. O'DELL: Excuse me.	12	quick, did we mark D-280 as an exhibit?
13	Misstates his testimony.	13	MR. EWALD: No. It's okay. I
14	THE WITNESS: No, not at all.	14	don't want oh, we'll mark it. Why not?
15	BY MR. EWALD:	15	We'll mark D-280 IARC 2010, if the
16	Q. Okay. So let's look at you	16	court reporter doesn't mind, we'll mark
17	spent a lot of time in your report quoting	17	that as 9, and apologies.
18	from well, a lot of time you spend a	18	And then we'll do Exhibit 10 the
19	number a paragraphs quoting from the FDA white	19	IWGACP 2021 document.
20	paper 2021, right?	20	
21	A. There there are a lot of	21	
22	different portions of that. There's a 2020.	22	
23	There's the appendices, the white paper. Yes,	23	
24	I do do that.	24	
25	Q. Okay.	25	

1	Page 142		Page 144
1	(Whereupon, Exhibit 10, World	1	didn't bring 24 with me.
2	Health Organization International Agency	2	MS. O'DELL: Okay.
3	for Research on Cancer, IARC Monographs on	3	THE WITNESS: You can just show 24,
4	the Evaluation of Carcinogenic Risks to	4	Mr. Ewald. That's fine.
5	Humans, Volume 93, Carbon Black, Titanium	5	BY MR. EWALD:
6	Dioxide, and Talc, was marked for	6	Q. Well, I'm happy you can see that
7	identification.)	7	what we have on the other pages is more
8	BY MR. EWALD:	8	definitions. I'm asking you about the
9	Q. Okay.	9	definition of asbestiform, which states, "A
10	A. What you put in front of me	10	specific variety of a mineral or a type of
11	includes the appendices?	11	mineral fibrosity associated with a unique
12	I just want to make sure.	12	fibrous habit of crystal growth, in which the
13	Q. I can get there, yeah. But right	13	fibers are long and thin, that possess high
14	now I'm going to show you the body of it.	14	tensile strength and flexibility. This unique
15	A. Yeah.	15	habit of growth is observed in fibrous
16	Q. You reviewed the appendices, right?	16	serpentine chrysotile and certain fibrous
17	A. And and the appendices and the	17	amphophile minerals."
18	2020 document, yeah.	18	Do you agree with that definition
19	Q. Okay.	19	of asbestiform, sir, by the FDA?
20	MS. O'DELL: Doctor, are you okay	20	MS. O'DELL: Object to the form.
21	with that, or do we need to put it on the	21	THE WITNESS: So so let's be
22	big screen?	22	clear. IWGACP is not FDA. Right. I
23	THE WITNESS: No. I yeah. I	23	mean, I think can we agree on that. Those
24	I won't I'm fine. Thank you, ma'am.	24	are individuals in their individual
25	I have these documents in front of	25	capacity. But it was not a recognized FDA
	Page 143		Page 145
1	me. I I I brought them.	1	document. I think it's so cited, right.
2	BY MR. EWALD:	2	So you want to ask the question
3	Q. All right. So we're here in the	3	again?
4	glossary of terms section, page 25 of the main	4	BY MR. EWALD:
5	document. I want you to look at the	5	Q. Sure. I'm more than happy, if
6	Interagency Working Group definition of	6	you're consistent with that one.
7	asbestiform there	7	So are you agree with the
8	A I I doubt I doubt bear about		, ,
1	A. I I don't I don't have that.	8	Interagency Working Group white paper
9	Can I get that, and can I get a	8 9	Interagency Working Group white paper definition of asbestiform that I just read to
9	Can I get that, and can I get a hard copy of that, please?	9 10	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December
9 10 11	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we	9 10 11	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10?
9 10 11 12	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get	9 10 11 12	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one
9 10 11 12 13	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have	9 10 11 12 13	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites
9 10 11 12 13 14	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me,	9 10 11 12 13 14	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they
9 10 11 12 13 14 15	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices.	9 10 11 12 13 14 15	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any
9 10 11 12 13 14 15 16	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices. But could you show me what page	9 10 11 12 13 14 15 16	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any way they want, and that's what I mean by
9 10 11 12 13 14 15 16 17	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices. But could you show me what page you're you're where you are?	9 10 11 12 13 14 15 16 17	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any way they want, and that's what I mean by "semantics."
9 10 11 12 13 14 15 16 17 18	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices. But could you show me what page you're you're where you are? You're in the glossary at terms	9 10 11 12 13 14 15 16 17 18	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any way they want, and that's what I mean by "semantics." But it's not that I agree or
9 10 11 12 13 14 15 16 17 18	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices. But could you show me what page you're you're where you are? You're in the glossary at terms BY MR. EWALD:	9 10 11 12 13 14 15 16 17 18	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any way they want, and that's what I mean by "semantics." But it's not that I agree or disagree with the definition. That's their
9 10 11 12 13 14 15 16 17 18 19 20	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices. But could you show me what page you're you're where you are? You're in the glossary at terms BY MR. EWALD: Q. Yeah. Glossary of terms	9 10 11 12 13 14 15 16 17 18 19 20	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any way they want, and that's what I mean by "semantics." But it's not that I agree or disagree with the definition. That's their definition. That's how they're using the term.
9 10 11 12 13 14 15 16 17 18 19 20 21	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices. But could you show me what page you're you're where you are? You're in the glossary at terms BY MR. EWALD: Q. Yeah. Glossary of terms A. Just so you can show me the index,	9 10 11 12 13 14 15 16 17 18 19 20 21	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any way they want, and that's what I mean by "semantics." But it's not that I agree or disagree with the definition. That's their definition. That's how they're using the term. Again, if you if you refer to you know,
9 10 11 12 13 14 15 16 17 18 19 20 21 22	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices. But could you show me what page you're you're where you are? You're in the glossary at terms BY MR. EWALD: Q. Yeah. Glossary of terms A. Just so you can show me the index, send me the table of contents so I can see	9 10 11 12 13 14 15 16 17 18 19 20 21 22	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any way they want, and that's what I mean by "semantics." But it's not that I agree or disagree with the definition. That's their definition. That's how they're using the term. Again, if you if you refer to you know, if you refer to the National Geological Survey,
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices. But could you show me what page you're you're where you are? You're in the glossary at terms BY MR. EWALD: Q. Yeah. Glossary of terms A. Just so you can show me the index, send me the table of contents so I can see where 16 is in the contents, what page.	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any way they want, and that's what I mean by "semantics." But it's not that I agree or disagree with the definition. That's their definition. That's how they're using the term. Again, if you if you refer to you know, if you refer to the National Geological Survey, there are other definitions of this asbestos
9 10 11 12 13 14 15 16 17 18 19 20 21 22	Can I get that, and can I get a hard copy of that, please? MS. O'DELL: Yes. I will we will get THE WITNESS: Yeah. I I have the white paper I have in front of me, through 23; and I have the appendices. But could you show me what page you're you're where you are? You're in the glossary at terms BY MR. EWALD: Q. Yeah. Glossary of terms A. Just so you can show me the index, send me the table of contents so I can see	9 10 11 12 13 14 15 16 17 18 19 20 21 22	Interagency Working Group white paper definition of asbestiform that I just read to you and that appears on page 25 of the December 2021 white paper we have marked as Exhibit 10? A. I I think that is, again, one definition that is advanced here that cites Campbell. I am not sure. That's how they define, so they're entitled to define it any way they want, and that's what I mean by "semantics." But it's not that I agree or disagree with the definition. That's their definition. That's how they're using the term. Again, if you if you refer to you know, if you refer to the National Geological Survey,

Page 148 Page 146 1 there's nothing that I'm going to say is wrong 1 the problems that we've encountered over 2 or I'm going to jump up and down; but I'm 2 the last 50 years, right. defining it. That's their definition. 3 So I don't see -- I mean, as far as 3 What expertise do you have to make 4 4 whether asbestos -- asbestiform is meant 5 a determination as to whether or not one 5 to imply that it has health hazards, definition of asbestiform is better than 6 right, that should be ceded to the 7 mineralogists and geologists alone. another? 8 A. I -- what I can do is, again, in 8 BY MR. EWALD: 9 the regulatory context, okay, of reaching a 9 Yeah. I'm not sure exactly I 10 decision what -- how a substance should be 10 understand what you were saying, but --11 regulated under the act, right, the question is 11 I'm happy to explain it again. No. What I -- what I -- what I 12 to be able to bring basic, you know, scientific 12 Q. 13 and medical knowledge and what is -- you know,13 want to --14 how it gets applied in that framework. 14 MS. O'DELL: I'm sorry, John. I'm I'm -- I'm not sure, you know --15 15 not sure if he was finished with his 16 I'm not sure when you say how do you have 16 answer. Excuse me. 17 scientific expertise, they define it like that. 17 MR. EWALD: He was -- he was 18 That's how they're using the word -- again, 18 finished with his answer, and then he said 19 welcome to the -- you know, there's a whole 19 he'd explain it again; and I said no, he 20 field of philosophy that deals with the 20 doesn't need to explain it again. So --21 question of how you decide what definition MS. O'DELL: Let's pause just for a 21 22 applies to what word here. 22 moment. 23 Well, I -- my question was: What 23 Dr. Kessler, were you finished with 24 expertise do you have and you agree with me 24 your answer? 25 that mineralogists and geologists have 25 If so, that's fine. If you are Page 147 Page 149 expertise to offer an opinion as to whether or 1 not, then please continue. not the definition of asbestiform is an 2 THE WITNESS: I think Mr. Ewald 3 accurate one; do you agree with that? understands the -- the point that I was 4 MR. O'DELL: Object to the form. 4 making. 5 5 THE WITNESS: Bingo. I think The -- if asbestiform is in that 6 you've just put your -- your finger on an 6 terminology meant to have any -- to be 7 essential point, right. 7 informative in a regulatory sense of 8 8 That is what mineralogists and whether it is hazardous or potential --9 geologists don't have is the ability to 9 whether it presents a risk, right, that 10 decide if you are going to link that term, 10 definition, then, is not under -- should asbestiform, right, with a health hazard, not be under the purview of people who 11 11 12 right, or how it should be regulated under 12 don't have the expertise on the public 13 the act, right, that's the key here, 13 health side of your question. It can't be set by the 14 14 right. 15 I mean, if you look at the 15 mineralogists and geologists alone. That's fine if they're living in a world 16 definitions that were used and what 16 happened here is you see certain of just geology. But if, ultimately, in 17 17 epidemiological studies that link asbestos the regulatory context, right, you're --18 18 19 in -- with hazards, right; and then you you're asking the issue of whether there's 19 20 have certain groups of individuals, right, 20 potential human health implications, looking and redefining things not in the 21 21 right, that goes broader than just the 22 context of the broader expertise, right, 22 mineralogists and geologists. That's the 23 and being able -- linking it to what that 23 problem with terms that were defined as -ultimate health hazard is. by the mineralogists and geologists and 24 24

used in ways that increase the specificity

25

And I think that's one of the --

25

1	Page 150	1	Page 152
$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	but decrease the sensitivity of the analysis that have in the laboratory	$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	this language, right, elongated elongate particles, I mean, are had the biological
	tests that have implications for human	$\frac{2}{3}$	activity. And we've been caught up in language
3 4	health and FDA regulation.	4	in semantics for, in essence, for 50 years; and
5	BY MR. EWALD:	5	they're trying to clarify what has biological
6	Q. Okay. So I want to make sure I	6	activity. And I applaud that.
7	understand.	7	Q. Okay.
8	You are suggesting that the the	8	MS. O'DELL: John, are you frozen?
9	white paper, the Interagency Working Group that	9	MR. EWALD: Nope.
10	defines asbestiform and defines asbestos is not	10	MS. O'DELL: Okay. Sorry.
11	the appropriate one to use in the regulatory	11	MR. EWALD: No. No worries.
12	context but is, in fact, should be used the	12	MS. O'DELL: We've had some blips
13	definition of an internal J&J document?	13	on the internet today. I thought there
14	MS. O'DELL: Objection. Misstates	14	was a problem.
15	his testimony.	15	MR. EWALD: No problem at all. I
16	THE WITNESS: Yeah. Yeah. So	16	was deciding where to go next.
17	you're you're missing this entirely.	17	Let's okay. Let's mark as
18	BY MR. EWALD:	18	Exhibit 11 Jake, it's going to be
19	Q. I'm sure I am.	19	Exhibit 8179. If you can drop it in the
20	A. What I'm saying, and I apologize if	20	chat, please, this relates to the
21	I'm not clear.	21	highlighting it's not mine, but it's
22	I actually applaud the Interagency	22	reflected as highlighting on the document.
23	Working Group where people with diverse	23	BY MR. EWALD:
24	backgrounds and expertise that's and that's	24	Q. And, Doctor, you
25	what FDA does and FDA brings together those	25	MS. O'DELL: Hey, John, give us
23			
1	Page 151 people in the various subject matter experts of	1	Page 153
$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	various government agencies to be able to deal	2	just a moment here. Excuse me for interrupting.
3	with these complex questions.	3	Could you put it in the chat
4	What I am objecting to and I	4	where Dr. Kessler has it on the screen.
5	think they they certainly have good faith	5	It's quite small. So we want to put it on
6	and came up with a definition that they can,	6	a larger screen so he can see it.
7	you know they've listed it in their	7	MR. EWALD: Sure. Jake, will get
8	glossary.	8	it in there in a second.
9	I don't think mineralogists and	9	MS. O'DELL: Give us a moment to
10	geologists they certainly can define the	10	download it and put it on the screen.
11	terms in their their field. What they can't	11	(Whereupon, Exhibit 11, Johnson &
12	do is set the terms to have any meaning when it	12	Johnson Consumer Products, Inc.,
13	comes to implications for public health, right.	13	Authorization for Interim Specification,
14	So if there's fibers that are meant	14	Bates labeled JNJMX68_00000438 through
15	to be asbestiform or not asbestiform or we're	15	JNJMX68_000000441, was marked for
16	going to define these as asbestiform and these	16	identification.)
17	as non-asbestiform, and they make those	17	MS. O'DELL: Okay. So Dr. Kessler,
18	definitions based on geological and	18	do you mind if I you can click on it
19	mineralogical principles, right, and	19	and see if it will open it up for you.
20	morphological and microscopic characteristics,	20	You may need to download it onto your
21	those have to be correlated and validated on	21	desktop, and then you'll need to go back
$\begin{vmatrix} 21\\22\end{vmatrix}$	the human health risk side.	21 22	to your desktop and open it.
23	And I think that was the the	23	THE WITNESS: It's not it's not
24	great effort of the Interagency Working Group	24	fresh
25		25	(Discussion held off the record.)
1 23	area to do and oublearly bard got the or an	25	(Discussion field off the feedfu.)

	Page 154		Page 156
1	MS. O'DELL: John, I'm going to	1	Vague.
2	help him a little bit here.	2	THE WITNESS: Yeah. And I think
3	MR. EWALD: Of course.	3	that word "vague" is also probably
4	(Discussion held off the record.)	4	applicable to my answer.
5	THE WITNESS: I didn't save it.	5	Can I have my testing folder, my
6	It's not on my it's saved in documents.	6	my testing sheets?
7	I want to switch it to desktop, and then I	7	I think let me tell you what
8	have to	8	it's it's well-summarized I think
9	MS. O'DELL: Okay.	9	actually, if you have something called Rio
10	THE WITNESS: Where is that	10	Tinto my Rio Tinto slides, there's an
11	document?	11	excellent well, I mean, there's a slide
12	Thank you. Thank you.	12	by Rio Tinto that summarizes the use of
13	MS. O'DELL: Do you want it over	13	various testing. Let me get it. Give me
14	there?	14	a second.
15	THE WITNESS: Yeah. Over there	15	There's there's something that
16	would be perfect. Thank you so much.	16	says TEM. Margaret just give me a
17	I'm looking to my left now.	17	second please. There's a TEM. I
18	MS. O'DELL: Okay. You're in	18	apologize. Let me just get it here.
19	control, and you have your mouse.	19	It gives a chronology of what was
20	THE WITNESS: Thank you so much.	20	in place when I have a slide again,
21	MS. O'DELL: All right.	21	just give me a second that has exactly
22	THE WITNESS: Thank you.	22	when was when what was used and when
23	BY MR. EWALD:	23	TEM really was started to come in
24	Q. All right. Doctor, in that same	24	place.
25	page of your report, 79.1, you're referring to	25	It may be here. Could you just
	Page 155		Page 157
1	what you call J&J's definition of asbestos.		
l _	-	1	fold this for a second?
2	And what I'm showing you, for the	2	I apologize I can't seem to find
3	And what I'm showing you, for the record, we'll mark as Exhibit 11. This is	2 3	I apologize I can't seem to find that. It should be you know, there's a
3 4	And what I'm showing you, for the record, we'll mark as Exhibit 11. This is it has a Bates Number JNJMX68_000000439 as	2 3 4	I apologize I can't seem to find that. It should be you know, there's a Rio Tinto slide deck. It gives a very
3 4 5	And what I'm showing you, for the record, we'll mark as Exhibit 11. This is it has a Bates Number JNJMX68_000000439 as it is the Authorization for Interim	2 3 4 5	I apologize I can't seem to find that. It should be you know, there's a Rio Tinto slide deck. It gives a very good chronology. I'll get it in a second,
3 4 5 6	And what I'm showing you, for the record, we'll mark as Exhibit 11. This is it has a Bates Number JNJMX68_000000439 as it is the Authorization for Interim Specification.	2 3 4 5 6	I apologize I can't seem to find that. It should be you know, there's a Rio Tinto slide deck. It gives a very good chronology. I'll get it in a second, Mr. Ewald.
3 4 5 6 7	And what I'm showing you, for the record, we'll mark as Exhibit 11. This is it has a Bates Number JNJMX68_000000439 as it is the Authorization for Interim Specification. A. Got it.	2 3 4 5 6 7	I apologize I can't seem to find that. It should be you know, there's a Rio Tinto slide deck. It gives a very good chronology. I'll get it in a second, Mr. Ewald. But when TEM really entered into
3 4 5 6 7 8	And what I'm showing you, for the record, we'll mark as Exhibit 11. This is it has a Bates Number JNJMX68_000000439 as it is the Authorization for Interim Specification. A. Got it. Q. "Subject: Cyprus Windsor Minerals	2 3 4 5 6 7 8	I apologize I can't seem to find that. It should be you know, there's a Rio Tinto slide deck. It gives a very good chronology. I'll get it in a second, Mr. Ewald. But when TEM really entered into the picture, I found it to be pretty
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	Page 158		Page 160
1	Q. So under	1	Q. Okay. So does this look familiar
2	A. What's not clear to me exactly from	2	to you, CTFA method, J4-1, asbestiform,
3	the record exactly when J&J used it. Okay. I	3	amphibole minerals, and cosmetic talc?
4	mean, it was not in use. I mean, certainly for	4	A. Yeah. Can we just put it is
5	the well, 50 years of this. The use became	5	there a date on this?
6	more common in the late '80s and '90s and was	6	I mean, it has not been just
7	not was not consistently used from what I	7	scroll scroll back up for a second. Please.
8	can deduce certainly over the 50-year period.	8	Q. Issued 10/7/76.
9	It's also not clear to me exactly	9	A. Yeah. That's the date I that's
10	what was done by J&J and J&J inside versus what	10	the date I was just looking for. Yeah.
11	J&J contracted out, I mean, over the 50 years	11	Q. All right.
12	as far as transmission electron microscopy.	12	MR. EWALD: We'll mark this as
13	Q. Do you have an understanding	13	Exhibit 12.
14	through your research as to which external labs	14	(Whereupon, Exhibit 12, Document
15	were considered amongst the best labs for the	15	entitled, "Asbestiform Amphibole Minerals
16	analysis by microscope of materials for the	16	in Cosmetic Talc, Bates labeled
17	presence of asbestos?	17	JNJ 000405219 through JNJ 000405228, was
18	A. I I don't I have no opinion	18	marked for identification.)
19	on what is the best laboratory that J&J used	19	MS. O'DELL: Could you kindly put
20	over time. You know, we certainly see three	20	it in the chat for us again, please.
21	laboratories involved I believe in the	21	MR. EWALD: Sure. Let me know when
22	2018-2019. I have no opinion on what the best	22	you have it.
23	laboratory was.	23	MS. O'DELL: Okay.
24	Q. Okay. So going back to this	24	THE WITNESS: I've got it. I'm
25	A. There are	25	sorry to make you jump up.
	Page 159		Page 161
1	Q. Excuse me. What?	1	MS. O'DELL: You've already
2	A. I have no no opinion of what	2	clicked, so if you do save yeah. And
3	what to rank the J&J contractors.	3	then open up the it should be in the
4	O A11 : 1 : C E 1 1 : 11		
+	Q. All right. So Exhibit 11, we're	4	folder over there. Yeah. Right there.
5	back to that. And next to asbestos (CTFA J4-1)	5	folder over there. Yeah. Right there. THE WITNESS: It's opening up.
	_	5 6	
5	back to that. And next to asbestos (CTFA J4-1)	5	THE WITNESS: It's opening up.
5 6	back to that. And next to asbestos (CTFA J4-1) (TM7024). You have, "Nondetected. Asbestos is	5 6	THE WITNESS: It's opening up. Thank you, sir. Give me a second. I have
5 6 7	back to that. And next to asbestos (CTFA J4-1) (TM7024). You have, "Nondetected. Asbestos is defined to be the fibrous serpentine, chrysotile and the fibrous forms of the amphibole group as represented by amosite,	5 6 7	THE WITNESS: It's opening up. Thank you, sir. Give me a second. I have it in front of me. Let me enlarge, if I may, zoom, edit, zoom, view plus. I'm almost there, sir. It's just
5 6 7 8	back to that. And next to asbestos (CTFA J4-1) (TM7024). You have, "Nondetected. Asbestos is defined to be the fibrous serpentine, chrysotile and the fibrous forms of the amphibole group as represented by amosite, anthophyllite, crocidolite, tremolite and	5 6 7 8	THE WITNESS: It's opening up. Thank you, sir. Give me a second. I have it in front of me. Let me enlarge, if I may, zoom, edit, zoom, view plus. I'm almost there, sir. It's just going to a different I just have to
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5 6 7 8 9 10 11	back to that. And next to asbestos (CTFA J4-1) (TM7024). You have, "Nondetected. Asbestos is defined to be the fibrous serpentine, chrysotile and the fibrous forms of the amphibole group as represented by amosite, anthophyllite, crocidolite, tremolite and actinolite."	5 6 7 8 9 10 11	THE WITNESS: It's opening up. Thank you, sir. Give me a second. I have it in front of me. Let me enlarge, if I may, zoom, edit, zoom, view plus. I'm almost there, sir. It's just going to a different I just have to make it a little larger. Is there a plus sign? Zoom to hold on a second to
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5 6 7 8 9 10 11 12 13 14	back to that. And next to asbestos (CTFA J4-1) (TM7024). You have, "Nondetected. Asbestos is defined to be the fibrous serpentine, chrysotile and the fibrous forms of the amphibole group as represented by amosite, anthophyllite, crocidolite, tremolite and actinolite." Did I read that correctly? A. You did, sir. Q. And that is the part it's	5 6 7 8 9 10 11 12 13 14 15 16	THE WITNESS: It's opening up. Thank you, sir. Give me a second. I have it in front of me. Let me enlarge, if I may, zoom, edit, zoom, view plus. I'm almost there, sir. It's just going to a different I just have to make it a little larger. Is there a plus sign? Zoom to hold on a second to page let's go to 100 percent,
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5 6 7 8 9 10 11 12 13 14 15 16	back to that. And next to asbestos (CTFA J4-1) (TM7024). You have, "Nondetected. Asbestos is defined to be the fibrous serpentine, chrysotile and the fibrous forms of the amphibole group as represented by amosite, anthophyllite, crocidolite, tremolite and actinolite." Did I read that correctly? A. You did, sir. Q. And that is the part it's something similar you quote in 79.1, correct? A. Yes, sir. And that definition, if you go back, I actually remember searching that definition. I mean, that that paragraph is	5 6 7 8 9 10 11 12 13 14 15 16 17 18	THE WITNESS: It's opening up. Thank you, sir. Give me a second. I have it in front of me. Let me enlarge, if I may, zoom, edit, zoom, view plus. I'm almost there, sir. It's just going to a different I just have to make it a little larger. Is there a plus sign? Zoom to hold on a second to page let's go to 100 percent, 125 percent. Thank you, sir. Thanks for letting me see it. BY MR. EWALD:
5 6 7 8 9 10 11 12 13 14 15 16 17	back to that. And next to asbestos (CTFA J4-1) (TM7024). You have, "Nondetected. Asbestos is defined to be the fibrous serpentine, chrysotile and the fibrous forms of the amphibole group as represented by amosite, anthophyllite, crocidolite, tremolite and actinolite." Did I read that correctly? A. You did, sir. Q. And that is the part it's something similar you quote in 79.1, correct? A. Yes, sir. And that definition, if you go back, I actually remember searching that definition. I mean, that that paragraph is used over decades by J&J in in documents	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	THE WITNESS: It's opening up. Thank you, sir. Give me a second. I have it in front of me. Let me enlarge, if I may, zoom, edit, zoom, view plus. I'm almost there, sir. It's just going to a different I just have to make it a little larger. Is there a plus sign? Zoom to hold on a second to page let's go to 100 percent, 125 percent. Thank you, sir. Thanks for letting me see it. BY MR. EWALD: Q. Sure.
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5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	back to that. And next to asbestos (CTFA J4-1) (TM7024). You have, "Nondetected. Asbestos is defined to be the fibrous serpentine, chrysotile and the fibrous forms of the amphibole group as represented by amosite, anthophyllite, crocidolite, tremolite and actinolite." Did I read that correctly? A. You did, sir. Q. And that is the part it's something similar you quote in 79.1, correct? A. Yes, sir. And that definition, if you go back, I actually remember searching that definition. I mean, that that paragraph is used over decades by J&J in in documents like this. Q. Now, one of the tests procedures that was identified there is J4-1.	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: It's opening up. Thank you, sir. Give me a second. I have it in front of me. Let me enlarge, if I may, zoom, edit, zoom, view plus. I'm almost there, sir. It's just going to a different I just have to make it a little larger. Is there a plus sign? Zoom to hold on a second to page let's go to 100 percent, 125 percent. Thank you, sir. Thanks for letting me see it. BY MR. EWALD: Q. Sure. A. I have it in front of me, and that's a little too big; but that's okay. Q. All right. There's not much to ask
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5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	back to that. And next to asbestos (CTFA J4-1) (TM7024). You have, "Nondetected. Asbestos is defined to be the fibrous serpentine, chrysotile and the fibrous forms of the amphibole group as represented by amosite, anthophyllite, crocidolite, tremolite and actinolite." Did I read that correctly? A. You did, sir. Q. And that is the part it's something similar you quote in 79.1, correct? A. Yes, sir. And that definition, if you go back, I actually remember searching that definition. I mean, that that paragraph is used over decades by J&J in in documents like this. Q. Now, one of the tests procedures that was identified there is J4-1.	5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	THE WITNESS: It's opening up. Thank you, sir. Give me a second. I have it in front of me. Let me enlarge, if I may, zoom, edit, zoom, view plus. I'm almost there, sir. It's just going to a different I just have to make it a little larger. Is there a plus sign? Zoom to hold on a second to page let's go to 100 percent, 125 percent. Thank you, sir. Thanks for letting me see it. BY MR. EWALD: Q. Sure. A. I have it in front of me, and that's a little too big; but that's okay. Q. All right. There's not much to ask

Page 162 Page 164 Talc," correct? 1 1 I mean, a test at 14 percent -- a 2 You know how to read. sensitivity of 14 percent, you increase the 3 3 specificity here with great individual Q. Okay. And if you go to --4 The specifications? Yep. variability, right. A. And, again, as you pointed out, and 5 And examine the ample -- the sample 5 6 it was good to import to convince FDA this was 6 for asbestiform fibrous amphibole minerals, the test for the safety of asbestos when you 7 right? 8 It doesn't just say, examine the leave out this whole world the chrysotile, sample for fibrous amphibole minerals, right? right. Sort of this -- that is the biggest 9 No. Let me just get mine to the 10 10 head-scratcher, right. 11 right size. Give me a second. I expanded it 11 How do you convince FDA or the 12 so it's more than a hundred percent. So let's 12 world to go along with a test that doesn't even 13 get it. 13 test for chrysotile and yet you're putting in 14 No. I think it's a more -- I think 14 place a test that has sensitivity that is 14 --15 I mean, 14 percent by the one validation test 15 that -- the way you phrased it, I would ask you 16 to clarify -- I mean, to be a little more 16 that I saw. 17 17 specific. Q. And what validation -- 14 percent, 18 What page are we on? 18 I don't -- I don't see that in your report. 19 Well, we're on page 9 out of 10. Maybe I missed it. 20 Hold on a second. Let me get 20 Is it in your report? 21 there. I'm getting there. 21 Yeah. I mean, it's right there. I 22 My -- my point exactly here. There 22 mean, it's -- you know, it's -- I mean, I 23 could not be a better example of what we've 23 taught it last -- you know, I -- I teach this 24 sensitivity and specificity. Just look at the 24 been talking about over -- since the break. 25 round-robin in '77. I think that was done on Okay. My question was: The title Page 163 Page 165 1 for this section is example -- "Examine the 1 J4-T when they spiked it, and you had one --2 one lab identify it; and six did not. And just Sample for Asbestiform Fibrous Amphibole Minerals," correct? 3 3 do the math, and you'll see that in the 4 A. Correct. 4 definition of laboratory tests, when six miss 5 And it doesn't just say, examine it and one gets it in the spike sample, that's the sample for fibrous amphibole minerals; it a sensitivity of 14 percent. The test is 7 doesn't say that, correct? 7 useless. 8 You're missing what the import of 8 Q. Can you tell me again what this section is. You're focusing on a word, expertise you have to render an opinion that a 10 right; but you're given instructions on 10 microscopy test for the presence of asbestos is 11 five character- -- you can ask your question, 11 not reliable? 12 but here is the point. 12 Sir, I'm a professor of 13 They are adding certain specific epidemiology and biostat. I mean, basics in 14 characteristics to meet a definition of there -- as I taught medical students a lot 15 asbestiform, right. So these are five things about sensitivity and specificity of different 15 16 you have to look at to meet their 16 kinds of tests, right. 17 characteristics of a positive test, right. 17 When -- when you look at a 18 So they are -- by doing this, the 18 validation study as you do in that '77 19 geologists and others are increasing the round-robin and you see how many positives and specificity of the test, right. And this is negatives you get, it's very easy to do, very 21 why you, in part, right, not the only reason, 21 simple math, right. One out of seven that got 22 but why you ended up with a sensitivity when 22 it is 14 percent, and a 14-percent sensitivity, 23 you tested it ultimately the year after of 23 right, no one's going to rely on that; yet, we 24 14 percent. This was absolutely useless, 24 ended up relying on that for decades.

I mean, this was all a way -- how

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25 right.

Page 166 Page 168 1 could you rely on a test that has a sensitivity BY MR. EWALD: of 14 percent to protect the American public? 2 Q. Okay. I agree with that. Two 3 How could you rely on a test, 3 things, though. 4 right ---4 MR. EWALD: If counsel can please 5 Q. There's no question pending. 5 tell me what Bates number it is so I can 6 A. But --6 have what you're looking at when we come 7 There's no question pending. 7 Q. back from the break. 8 MS. O'DELL: He's not finished. 8 It's also a good time for Suzanne, 9 THE WITNESS: How do you rely on a 9 I think, to at least get a glimpse of the 10 test, right, that doesn't test for 10 eclipse, right? Suzanne, no? 11 chrysotile, right? 11 THE COURT REPORTER: It will be in, 12 How do you -- how do you -- how do 12 like, another half hour. 13 you even convince an agency, right, that 13 (Discussion held off the record.) 14 you're giving -- you're giving the 14 THE WITNESS: Do you want to go to American publish assurance with this J4-1 15 15 another subject. that doesn't test for chrysotile when you 16 16 MS. O'DELL: That's fine. And then 17 know there's chrysotile in your product; 17 we'll have the document in just a moment, 18 and yet, you say that chrysotile is not an 18 and then I'll be happy to give you the 19 issue. 19 Bates number. 20 BY MR. EWALD: 20 THE WITNESS: You will put in the 21 Are you done, Doctor? 21 O. chat. 22 I am -- no. I -- what you're 22 MS. O'DELL: Yeah. We'll put it in 23 hearing from me, right, is -- you want to put 23 the chat as well. 24 up J4-1? 24 MR. EWALD: Perfect. 25 You should know the limitations of 25 Page 167 Page 169 1 J4-1, right, and you should know what the BY MR. EWALD: 1 2 sensitivity is; and you should know that it did Q. Let's talk about geology. And 2 3 not protect the American public. I am not 3 actually, is the -- if you go to paragraph 80. 4 4 done. Yes. 5 5 Okay. Let's look -- so there's Is that the Rio Tinto one you're 6 some discussion that you feel like, you know, 6 referring to or something else? maybe there's some J&J TM work in the late 7 7 No. There's a -- there's a lot of 8 '80s, '90. You're not really sure. Rio Tinto. There are a number of different 9 And so I'm going to show you some versions of that. In fact, I think there's a 10 documents. Maybe you've seen them before. 10 number of Julie Pier slide decks. So we have That's not -- that's not what I 11 to find exactly. 11 12 12 said. Q. Right. 13 MS. O'DELL: Object to the form. 13 But the one at TEM is from a Julie 14 THE WITNESS: Okay. That's not 14 Tinto [sic] -- I apologize -- Julie Pier Rio 15 what I said. 15 Tinto slides. You are correct. 16 What -- what's represented by your Q. So on geology you cite a number of 16 companies and its contractors, if you look 17 17 pages of what goes in and then a variety of the 18 at the testing history, okay, and there 18 other sources. 19 are documents; and you can just see, there 19 How did you go about reviewing the 20 are -- Rio Tinto, if I can just get that. 20 geological issues associated with talc and 21 21 asbestos? It's printing. 22 Why don't we just take a break for 22 A. So there were a number of meetings, 23 a second, and let me just get this 23 including the IWGACP. There were other 24 document in front of me so the record can 24 meetings that FDA held where they had 25 be clear so I have it in front of us. 25 geologists come and present.

Page 172 Page 170 1 I mean, this is the, you know, the 1 it's the starting place of what to expect, I 2 unique thing about FDA. FDA finds itself 2 mean, in the -- in this material. Again, I regulating substances that intersect with think that there is very little data if you environmental, geological, mineralogical 4 look at the -- the record here that the Vermont substances all the time. You know, whether 5 mines -- again, I think probably what's being printed -- we have that -- we'll show the 6 it's lead, I mean, other -- other issues in their products. possibility of serpentine materials certainly 7 So the FDA would bring in the 8 in those mines were to be anticipated. 9 geologists that there were a number of And my only point is that the 10 safety, you know, that there's some debate 10 geologists that I cite that were from FDA presentations. So I looked at that. here, and I go in to it; but, you know, it's 12 I also went -- I wanted to see -- I 12 not been established. So there's uncertainty, 13 pulled the Laura Webb, who I believe is the 13 and I recognize that; and I'm trying to 14 defendant expert witness. I went to see -- to 14 recognize the complexities that are associated 15 read her comments in response to the IWGACP when you start with the geology and then 15 16 working group. She filed comments. I went to translate that into the mineralogy and then read her expert report in part. 17 into the epidemiology. And no one has anyway 17 18 So I was interested in looking at 18 cleared the non-asbestiform fibers to 19 this the way FDA would look at this and have to 19 substantiate the safety in my opinion. 20 educate themselves from a geological point of 20 So in 83.15 you're -- are you 21 view. Again, not substituting myself for the 21 suggesting that Dr. Van Gosen disagrees with geology experts; but again, on that interface 22 Dr. Webb, that one must, in fact, understand 23 when, as FDA did in this matter, to bring in the details of the local and regional geology the geologists to understand the interface 24 of any given mine, including the potential for 25 between it's regulated products and the complex distribution of rocks at different Page 171 Page 173 potentially hazardous products that are metamorphic grades resulting from complex geologically or mineralogically derived. tectonic history? 3 3 Okay. So for example, with your MS. O'DELL: Object to the form. discussion of Laura Webb, 83.15, page 26. Let THE WITNESS: That's not 4 5 Dr. Van Gosen. That's Dr. Webb if I'm me know when you're there. Hold on a second 83 point --6 6 correct. 7 Q. 7 BY MR. EWALD: 15. 8 Right. 8 Q. Do you think that -- is it your A. 9 Are you there? opinion that Dr. Webb disagrees with -- sorry. O. 10 10 Is it your opinion that A. I am, sir. Okay. I couldn't understand what 11 Dr. Van Gosen disagrees with that quote from 11 12 you said. So what is -- what does Laura Webb's 12 Dr. Webb? 13 opinions that you're excerpting there impact 13 I'm not saying she does -- he does. 14 have on your opinions here? 14 I'm not -- I'm not saying there is a 15 A. Yeah. So this is all under the disagreement there. I mean, I -- I put it in 16 conclusion here. I mean, if you go to the -there because I think, one -- I mean, I think 17 to the section of this, I mean, as you know, 17 that is the view of the geologists. I think 18 Dr. Van Gosen came to an FDA public meeting; 18 that one has to take that into account. and he took -- he took -- he took FDA through 19 And I mean, there are 20 the interrelationship that drives from the 20 certain things -- there -- you know, there are certain categories that geologists, they -- the 21 geological environment of talc. And, for 21 22 example, he did it on the anthophyllite forms people who are involved for 50 years expected and how those were related. Dr. Webb agrees in 23 certain type of geological formations gave

potential for certain risks. But knowing the

25 local characteristics, I mean, is certainly

part, disagrees in part with Dr. Van Gosen.

And what you can see is, again,

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25

Page 174 Page 176 1 something that was for important for the 1 So for example, there's a pie chart 2 totality of evidence here. 2 of Rio Tinto mineral slide deck talc deposit 3 Q. Well, you have on your materials mineralization by world production, and they 4 considered list an expert report, MDL from 4 divide this up by world production; and they 5 Dr. Mary Poulton. 5 employ the same pathway formation of talc. And Did you review that expert report? 6 6 they do 20 percent of the world production is 7 A. I would have to -- I would want to 7 Serpentine Host Rock and RTM Vermont, and it review -- I'd want to review that and pull that 8 says potential for serpentine asbestos. And in front of me. 9 there are certain versions of this pie chart 10 Q. Have you -- sitting here today, do 10 that have a footnote that say that the --11 you recall reviewing the report of Dr. Mary exactly what's in that quote, that you should 12 Poulton? suspect the possibility based on local 12 13 A. I'd have to go back. I'm drawing a characteristics. 13 14 blank for the moment. 14 So I mean --What are you relying on, if 15 15 MS. O'DELL: John, just for 16 anything, for your understanding of J&J's 16 verification purposes, this is an IMERYS mining practices over the years? 17 PowerPoint. It's analytical capabilities 17 18 So there is -- I mean, there's a 18 to test methods dated June 2009, and I'll 19 rich history of Bill Ashton. There is a -- I 19 give the Bates number to you shortly. 20 mean, there are documents that -- let me --20 THE WITNESS: And then there is 21 THE WITNESS: Do you have my pie 21 also -- I owe Mr. Ewald a discussion of 22 chart? 22 the history of TEM, and there is that 23 I just -- I need my pie chart. 23 slide too. If you can just help me find 24 (Discussion held off the record.) 24 this slide deck. There's a -- it's one of 25 THE WITNESS: I'm still told it's 25 the Rio Tinto slides. Page 175 Page 177 1 being printed. This is the famous 1 Yeah. It's -- there's a Julie --2 document that's being printed. 2 exactly. 3 3 I just need -- there's a pie chart Sorry, Mr. Ewald. We'll get those here, and there's a TEM chart. And, 4 4 5 again, I apologize. As soon as that's --5 BY MR. EWALD: I'm just looking to look for it. Q. All right. So -- so let's, while 6 6 we're waiting for -- I'm not sure we're waiting 7 BY MR. EWALD: 7 8 While you're looking for --8 anymore. I mean, there's -- there's -- do 9 9 MR. EWALD: Jake, can you please you want to -- can I just give you the --10 drop in the Mary Poulton report. I'll pop 11 thanks. I just want to pull that in front of it on the screen. 11 THE WITNESS: I do have the 12 me. 12 13 Q. I'm sorry. What are you doing now, 13 footnotes here. Here is one footnote 14 sir? 14 where on -- there's a slide deck, 15 I'm just looking at the materials 15 analytical capabilities and test methods 16 in front of me for -- here we go. And there's June 2009 is talc deposit mineralization 16 17 another version of this. There are two 17 by world production. 18 versions of this. There's two versions of There's a note that says, "All talc 18 19 deposits have risk of localized asbestos 19 this. Yeah. Can you just pull up -- let's start with the pie chart there. Just give me if isolated metamorphic events occur in or 20 20 21 21 one second. near the deposit. 22 And there's some different 22 MS. O'DELL: And I will --23 footnotes on these different pages, and there 23 Dr. Kessler, is this the one you would is another pie chart. Yeah. There's a 24 like to put it in chat. 25 different pie chart. 25 THE WITNESS: Yeah. I mean, I hope

1	Page 178 that's the it's this slide, Mr. Ewald,	1	others. I think that the notion of
2	please. Just make it has the footnote.	2	quality control in China is a very big
3	Some of them don't have the footnote	3	complex issue, right.
4	that I think that footnote	4	She I mean, she's talking about
5	characterizes it pretty well.	5	I am sure you know, I have no opinions
6	MS. O'DELL: Okay.	6	on between her and cook. I mean, there
7	BY MR. EWALD:	7	are other on you know, they can
8	Q. Okay. While we're putting that in	8	discuss the Vermont mines.
9	the chat, I put it in Jake put in the report	9	I think where I think we would
10	of Mary Poulton. I am not going to ask about	10	all agree that complex the quality
11	it in depth, but I do want you to have a chance	11	control in China and I I've tried to
12	to take a look at it just to see if it's	12	look at those documents. You know,
13	something that you ended up reviewing.	13	anything about quality control in China, I
14	MS. O'DELL: Just click it out of	14	think I I would I see she doesn't
15	the chat.	15	get into that in any real significant way
16	THE WITNESS: This is 2019-02. Is	16	if I remember because I was looking for
17	that the document I'm doing?	17	that.
18	BY MR. EWALD:	18	You see there's one paragraph on
19	Q. Yes.	19	China, right. But to say to talk about
20	A. Thank you very much.	20	the quality control and selective mining,
21	General causation one second.	21	you know, I don't think anyone is and I
22	Yeah. This is a response, I guess, to Cook and	22	tried to go back and look at those audits
23	Krekeler. I'm not going to pronounce it right.	23	and actual visits to China; and I think
24	It's a response to them.	24	there's there's great unknowns on the
25	I don't have a I don't know	25	quality there.
	Page 179		Page 181
1	Page 179 whether I I don't know I don't remember	1	Page 181 BY MR. EWALD:
1 2	whether I I don't know I don't remember	1 2	BY MR. EWALD:
	· · · · · · · · · · · · · · · · · · ·	_	BY MR. EWALD: Q. When you say "great unknowns,"
2	whether I I don't know I don't remember studying it the same way that I studied Webb. Q. Okay. And	2	BY MR. EWALD:
2 3	whether I I don't know I don't remember studying it the same way that I studied Webb. Q. Okay. And	2 3	BY MR. EWALD: Q. When you say "great unknowns," you're talking about any experience you might
2 3 4	whether I I don't know I don't remember studying it the same way that I studied Webb. Q. Okay. And A. This response to Cook, right?	2 3 4	BY MR. EWALD: Q. When you say "great unknowns," you're talking about any experience you might have had in other areas relating to China, and
2 3 4 5	whether I I don't know I don't remember studying it the same way that I studied Webb. Q. Okay. And A. This response to Cook, right? Q. Right. And to the extent that	2 3 4 5	BY MR. EWALD: Q. When you say "great unknowns," you're talking about any experience you might have had in other areas relating to China, and you haven't had any specific evidence about a
2 3 4 5 6	whether I I don't know I don't remember studying it the same way that I studied Webb. Q. Okay. And A. This response to Cook, right? Q. Right. And to the extent that Dr. Poulton makes certain opinions regarding	2 3 4 5 6	BY MR. EWALD: Q. When you say "great unknowns," you're talking about any experience you might have had in other areas relating to China, and you haven't had any specific evidence about a lock of quality control as it relates to China
2 3 4 5 6 7	whether I I don't know I don't remember studying it the same way that I studied Webb. Q. Okay. And A. This response to Cook, right? Q. Right. And to the extent that Dr. Poulton makes certain opinions regarding selective mining, the ability of J&J to avoid	2 3 4 5 6 7	BY MR. EWALD: Q. When you say "great unknowns," you're talking about any experience you might have had in other areas relating to China, and you haven't had any specific evidence about a lock of quality control as it relates to China top mines
2 3 4 5 6 7 8	whether I I don't know I don't remember studying it the same way that I studied Webb. Q. Okay. And A. This response to Cook, right? Q. Right. And to the extent that Dr. Poulton makes certain opinions regarding selective mining, the ability of J&J to avoid areas that may contain asbestos, you don't have	2 3 4 5 6 7 8	BY MR. EWALD: Q. When you say "great unknowns," you're talking about any experience you might have had in other areas relating to China, and you haven't had any specific evidence about a lock of quality control as it relates to China top mines MS. O'DELL: Object to the form.
2 3 4 5 6 7 8 9	whether I I don't know I don't remember studying it the same way that I studied Webb. Q. Okay. And A. This response to Cook, right? Q. Right. And to the extent that Dr. Poulton makes certain opinions regarding selective mining, the ability of J&J to avoid areas that may contain asbestos, you don't have the expertise to disagree with her, correct?	2 3 4 5 6 7 8 9	BY MR. EWALD: Q. When you say "great unknowns," you're talking about any experience you might have had in other areas relating to China, and you haven't had any specific evidence about a lock of quality control as it relates to China top mines MS. O'DELL: Object to the form. THE WITNESS: Yeah. So I so I
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1	Page 182 here so I can	1	Page 184 is in paragraph 114. Did you ask actually,
$\frac{1}{2}$		$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	115. Sorry.
$\frac{2}{3}$		$\frac{2}{3}$	•
١.	A keep track of the documents. Thank you so much.		Did you ask plaintiff's counsel, hey, do you know if there are any other
4 5	Q. Sure.	4	documents other than what I'm citing here
5	A. And I still need that TEM document.	5	
6		6 7	relating to that historical back-and-forth? A. Yes.
8	Q. I'm not going there yet. We'll do that on the break.	8	Q. Okay.
9		9	
	A. Thank you very much. Thanks for waiting.	10	THE WITNESS: Can I have my Hutchinson binder please?
10	2	11	
	Q. So turn, please, to the	12	That is a good example, and it's
12	Subsection A that starts on page 46. A. Yes.	13	worth pointing out, yes. I was very interested in that because that went to
		14	
14	Q. All right. And you	l	the I I have a document. I
15	THE WITNESS: Can I just trouble	15	specifically asked for that because I was
16	you. Can you hand me my lab binders my	16 17	trying to sort out the Dr. Lewin issues. BY MR. EWALD:
17	lab test binders, please?	18	
18	MS. O'DELL: Yep. THE WITNESS: Just one second. Let	l	Q. Okay. And so what was your
19		19	thinking in setting out in your report that
20	me just get my binder in front of me so I	20	discussion where you only discussed part of the
21	don't have to jump up and down.	21 22	story in paragraph 115, fair?
22 23	Thank you very much, sir. I'm happy to discuss anything.	23	A. Which paragraph, sir?O. 115.
24	BY MR. EWALD:	24	Q. 115. MS. O'DELL: Excuse me. Let me
25	Q. Sure. You mentioned earlier in the	25	make sure my objection is noted.
23		23	
	Dogg 192		
1	Page 183	1	Page 185
1	day that, to the extent possible, it was	1	Object to the form of the question.
2	day that, to the extent possible, it was important for you to get a complete story on	2	Object to the form of the question. THE WITNESS: I'm you know,
3	day that, to the extent possible, it was important for you to get a complete story on issues that you're talking about in the report,	2 3	Object to the form of the question. THE WITNESS: I'm you know, again, as this is the life I learned
2 3 4	day that, to the extent possible, it was important for you to get a complete story on issues that you're talking about in the report, fair?	2 3 4	Object to the form of the question. THE WITNESS: I'm you know, again, as this is the life I learned lead we all lead, right that I have
3	day that, to the extent possible, it was important for you to get a complete story on issues that you're talking about in the report, fair? A. That's a general general subject	2 3 4 5	Object to the form of the question. THE WITNESS: I'm you know, again, as this is the life I learned lead we all lead, right that I have when I'm writing books is how much do you
2 3 4 5 6	day that, to the extent possible, it was important for you to get a complete story on issues that you're talking about in the report, fair? A. That's a general general subject of aspiration. I implored you, right. I try	2 3 4 5 6	Object to the form of the question. THE WITNESS: I'm you know, again, as this is the life I learned lead we all lead, right that I have when I'm writing books is how much do you put in and how much I can go into I
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Page 186 Page 188 1 suggest that you have, does that impact your 1 Well, do you have any expertise as 2 assessment of the reliability of the results to be able to decide whether, for example, that were initially reported and discussed 3 Dr. Hutchinson just got it wrong? on -- in paragraph 115? 4 MS. O'DELL: Object to the form. 5 5 MS. O'DELL: Objection. Vague. THE WITNESS: I have every THE WITNESS: Let me just -- let me 6 expertise in the world to know the answer 6 7 just read all of 115. Give me one second 7 to the question is: Do you have any shred 8 to review 115, and then I will tell you 8 of evidence, right. 9 the impacts. I just need a second to 9 And, I mean, I think most people 10 10 would -- would agree that he may have -review this. 11 I mean, I've been focused on the... 11 you can decide, you know, exactly -- you 12 This is Figure 17A and 18A. Yeah. 12 can be the arbitrator, who's right, who's 13 So yeah. I see that paragraph. 13 14 Ask your question again, sir, please. 14 But the answer to the question, 15 BY MR. EWALD: okay, that -- let's just look -- if you 15 16 Q. Well, so, for example, are you look on at 11/1/72, right, there isn't a 16 17 aware that McCrone tested the same sample by shred of evidence, right, that there's 17 18 TEM and did not find any chrysotile? 18 asbestos in Shower to Shower. 19 19 Sir, I can tell you in -- let's --When you have that Hutchinson 20 give me one second. Give me one second. 20 come -- on, Mr. Ewald. You don't 21 So I'm aware that there are a lot 21 disagree. You -- there's a shred --22 of people who testify -- there was Sperry Rand, 22 there's not only a shred of evidence. 23 who did find -- I have a -- in this -- it 23 There was -- you could sit there, please, 24 should be -- I have a handwritten chronology. 24 I mean --25 It must be -- did it fall out? 25 Page 187 Page 189 I have a handwritten chronology. 1 BY MR. EWALD: 1 Sperry Rand did find it. And so, you know, Q. Listen, I'm not -- I'm not going to 2 again -- here it is. I'm sorry. Thank you. 3 tell you what you believe. Don't tell me what 4 I believe. 4 This is my notes. And so I can 5 tell you on -- on what date would you -- what 5 Α. I'm not. date are you referring to of McCrone because I You just did. 6 Q. 7 7 can -- we can look at those documents? I'm A. I'm telling you -happy to pull those up for you or with you. 8 You just did. O. We can look at what McCrone found. 9 A. But I'm telling you that -- I'm 10 We can look at what Sperry Rand found. We can 10 telling you the history is not very good for 11 look at what Dr. Hutchinson found. your client. 11 12 But the fact is Hutchinson found 12 Q. Okay. And --13 this, right. Made sure J&J knew about this. 13 MS. O'DELL: John, excuse me. 14 J&J walk in and say, no shred of evidence. 14 We're -- we're at 2:26. I think we agreed 15 So it may be that McCrone found, 15 to take a break for Suzanne. I think she 16 you know, McCrone found what, you know, what was looking at being able to get up and 16 17 McCrone found. But if you're going to tell FDA 17 outside by 2:30. 18 that there's no shred of evidence and they had 18 So is this a good time for a break? 19 in their possession what Hutchinson said is 19 MR. EWALD: Why not? 20 incontrovertible evidence, right, of MS. O'DELL: Okay. We are off the 20 21 chrysotile, you know, you can draw whatever 21 22 conclusions you want. I don't get that. I 22 THE COURT REPORTER: Okay. We're 23 don't get that, how that happens. I don't get 23 off the record. 24 how the general would allow that to happen in 24 (Whereupon, a break was taken.) 25 his company. 25

	Page 190		Page 192
1	BY MR. EWALD:	1	Which one are you when you're
2	Q. All right. Doctor, off the top,	2	pointing out these paragraphs?
3	we'll go back to the topic we left off later.	3	Q. I'm going by specific paragraph
4	I want to talk about your Section 5, amongst	4	number. I started out by focusing on the FDA
5	other things, which starts on page 58.	5	2014 petition response. In particular, I noted
6	A. Yeah. Can I turn to my epi	6	145 where the FDA responds or you quote from
7	binders?	7	it where it notes that it is plausible that
8	Yes, sir.	8	perineal talc has a particulate that reaches
9	Q. And in particular, I want to start	9	the endometrial cavity, right?
10	with your concluding paragraph on 154. It's	10	A. Yeah. That is that is that
11	the end of that section on page 67.	11	is part of the FDA response that acknowledges
12	A. 157?	12	that there are there's some evidence to
13	Q. 154 on page 67.	13	suspect a question of safety of talc products.
14	A. Thank you, sir. Give me a second.	14	Q. Okay.
15	Q. Of course.	15	A. The FDA uses that. I mean, it's
16	A. Yes, sir.	16	not that I mean, I am the reason I'm
17	Q. Okay. And so in this concluding	17	being a little careful, I am not doing you
18	paragraph, you identify three things that	18	know, under 154A, FDA is doing that analysis of
19	supports your conclusion that plaintiffs failed	19	those mechanisms of action, correct?
20	to substantiate the safety of its talcum powder	20	Q. Right.
21	products.	21	A. I'm citing simply the fact that FDA
22	First, is the FDA's 2014 petition	22	has said there are there's some evidence
23	response acknowledging that there remains some	23	with respect to your question of safety, right,
24	evidence to suspect or question the safety of	24	in that petition response. And they use that
25	talcum powder products. And on that I will	25	as a basis to do that.
	Page 191		Page 193
1	pause. There are a couple of different	1	Q. And then C on 154 refers to IARC's
2	pause. There are a couple of different paragraphs, but you note in paragraph 145 the	2	Q. And then C on 154 refers to IARC's classification as talc-based body powder as
3	pause. There are a couple of different paragraphs, but you note in paragraph 145 the FDA's response noting the biological	2 3	Q. And then C on 154 refers to IARC's classification as talc-based body powder as possibly carcinogenic to humans, right?
2 3 4	pause. There are a couple of different paragraphs, but you note in paragraph 145 the FDA's response noting the biological plausibility of talc reaching the endometrial	2 3 4	Q. And then C on 154 refers to IARC's classification as talc-based body powder as possibly carcinogenic to humans, right? A. So can I just have my my art?
2 3 4 5	pause. There are a couple of different paragraphs, but you note in paragraph 145 the FDA's response noting the biological plausibility of talc reaching the endometrial cavity, fair?	2 3 4 5	Q. And then C on 154 refers to IARC's classification as talc-based body powder as possibly carcinogenic to humans, right? A. So can I just have my my art? What you have is you have both a 2B
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Page 196 Page 194 147 concluding footnotes to 151, do you intend 1 original Tenovus finding of -- I mean, I'm not 2 sure I -- well, I give an -- I don't think I to offer any other opinions regarding that 3 3 give an opinion specifically on that. ovarian cancer epidemiology? 4 But in response to your question, I 4 MS. O'DELL: Object to the form. 5 think once you find needles in Tenovus deep in THE WITNESS: So again, I think you 5 the ovary and they have evidence that their 6 have -- I won't use any adjectives. 7 product contained, quote, "the fibers," I think You -- you have experts who will do there was -- there was not -- certainly there 8 the epidemiology, meaning who can talk 9 was -- there was serious questions that were 9 about recall bias and never use and ever 10 raised that could not substantiate the safety 10 11 of the product back in the '70s. 11 I'm happy to, again, as a professor 12 Do you think from an 12 of epidemiology, if you want to ask me any questions; but I leave it to those other 13 epidemiological standpoint, that the Cramer 13 14 1982 study was sufficient to raise enough 14 experts to talk about epidemiology 15 questions on the safety of talc products? 15 certainly as it relates to causation, MS. O'DELL: Object -right. I told you I wasn't going to do 16 16 17 THE WITNESS: I am not basing my 17 causation. I'm not going to do causation. 18 last answer on any one epidemiological 18 Where this epidemiology comes into 19 19 play, right, I -- you -- you certainly study. I think, though, that once you 20 have -- again, I mean, failing to -- the 20 have varying degree of biological evidence, right. You have the animal 21 obligation was for J&J to substantiate the 21 22 22 pathological. You have histological. You safety, right. 23 You don't have to prove that -- you 23 have epidemiological evidence. Again, is 24 don't have to prove the -- you don't need 24 the interplay between that epidemiology 25 epidemiological statistical significance 25 and responsibilities under the act. Page 195 Page 197 1 to raise questions about safety. 1 Again, the responsibility here is 2 2 I think in the '70s you didn't J&J, as I understand, it has to 3 have -- you couldn't substantiate the 3 substantiate the safety of its product, safety. Once you have Tenovus and once 4 4 right. 5 you have fibers, how can you substantiate 5 Where epidemiology -- the 6 the safety? It raised enough questions to 6 epidemiology cannot be said to undermine any substance to say you can 7 substantiate the safety of this product. 7 8 ensure the safety of the product. 8 In fact, the epidemiology, you know, 9 9 That's not the same thing as, you certainly today, I mean, raises questions 10 10 know, ruling something in, right. I mean, about it; and it has raised questions for is the epidemiological -- we now know that 11 several decades, right. 11 there's a small statistically significant 12 12 So what I will stay with the 13 increased risk, I mean; but that's not the 13 opinions that are specifically -- you 14 same thing as failing to substantiate the 14 know, the heading is a good example. And 15 safety. 15 in 154 this is to support the fact that 16 You understand what I'm saying, I they fail to substantiate the safety of 16 17 hope. 17 their talcum products. I mean, I rely on 18 BY MR. EWALD: what FDA -- rely may be wrong, but I 18 19 19 reference what FDA has said. Q. I guess I'm unclear on the 20 epidemiology. You note in 146 that you leave 20 I look at the evidence myself, feel 21 very comfortable, you know, discussing 21 to other experts to discuss in detail the 22 strengths weaknesses and specifics of the 22 what -- what the epidemiology is and what international bodies and agencies have 23 scientific evidence. 23 24 What are you -- beyond what you 24 said. 25 include in the report about epidemiology from 25 And I take that against the

Page 198 Page 200 1 THE WITNESS: So this isn't --1 regulatory question: Did they 2 substantiate the safety of the talcum 2 veah. 3 3 product. BY MR. EWALD: 4 And in light of that, epidemiology 4 Is it your -- I'm sorry. Go ahead. studies that still -- that show a small I just want to -- I really 5 5 significant -- significant increase. appreciate the question. I just want to make 6 6 7 Again, epidemiologists can spend their 7 sure I get it. 8 careers discussing dispense and 8 Has the FDA concluded that -- has 9 limitations and exactly what all that FDA concluded that the companies have not 10 means. 10 substantiated the safety? 11 I think there's no doubt in my 11 Is that -- is that -- ever said the 12 mind, in light of that record, the companies have not substantiated the safety? 12 13 defendants failed to substantiate the 13 Q. Well, that's one question. That's 14 safety of the product. 14 the first one. Go ahead. 15 That's what I would offer. 15 So I don't -- I mean, I think that 16 BY MR. EWALD: 16 if you look at the response to the petitions, 17 And when you -- when you say that FDA got side -- sidetracked are two things and 18 epidemiology has raised questions going back 18 did not look at that essential question under several decades, how far back in your mind? the statute, which they should have done. 19 20 A. Well, so let me -- hold on one 20 I think they looked at, in response 21 to Sam Epstein's petition, the question was, 21 second. 22 you know, did they say whether there was So again, I'm not going to give an 23 exact, you know, I mean, opinion; but I think 23 definitive evidence to -- whether there was you have certainly studies, you know, as you 24 definitive evidence or evidence to definitively 25 reference of Cramer in '82, Hartge in '83. You say to require a warning. Page 199 Page 201 1 have a whole bunch of case control studies in 1 That's -- that was not the standard the '80s that certainly, you know, at the very for cosmetics, but that was the standard in the least, even with their limitations, raise petition; so they were answering the petition, questions about the safety. 4 right. But the -- the real question, right, I 5 But I think -- I think you have mean, in front of FDA is, you know, for 6 that -- again, once you find -- once you find 6 50 years your company said -- told this agency needles, I mean as Tenovus in the -- in the there's not asbestos in this product, right. deep tissue, I think, you know, you don't need 8 And I think that has -- that's epidemiology if you find the needle and you been -- that's shaped everything, and the --10 have that pathology to raise questions. the agency, you know, gives great -- put great 10 11 Causation is a different mass. 11 reliance in what the company said for 50 years 12 Is it your opinion that at any 12 that there was no asbestos. 13 point in time, the FDA has concluded that 13 So I mean, if there's no asbestos, 14 cosmetic talc manufacturers like J&J have 14 then there's no issue of substantiating the 15 misbranded labels for not having a warning 15 safety. The FDA was completely misled here. Q. Okay. So your -- it's your opinion 16 substantiated? 16 that if there is no asbestos determination, 17 MS. O'DELL: Could you repeat the 17 18 that the safety has been substantiated for question? 19 talcum powder products? MR. EWALD: Yeah. 19 20 THE WITNESS: I want to -- I want 20 A. No. 21 21 to study that question. MS. O'DELL: Object to the form. 22 BY MR. EWALD: 22 THE WITNESS: You almost got it Sir -right. If there is -- if there is no 23 23 24 MS. O'DELL: He's just reviewing 24 asbestos -- there's going to be two negatives -- too many negatives in this. 25 the question on realtime. 25

Page 204 Page 202 1 1 But if there's no question about Α. No. 2 2 asbestos -- if you say to the FDA, no --MS. O'DELL: Object to the form. 3 we've taken care of the risk, right, 3 THE WITNESS: They --4 you're worried about asbestos. Asbestos 4 MS. O'DELL: You may answer. is a human carcinogen. We've taken care 5 THE WITNESS: They missed it. 5 of the risk. There's no asbestos. We've 6 6 Okay. 7 7 closed down mines. We -- we have a -- we Let's -- I mean, if you look at their response -- let's just pull up --8 have this under control. We've never 8 9 found it. No asbestos. No asbestos. No 9 and if I'm correct, they said in response 10 10 that there is not definitive evidence, asbestos, right. 11 You basically put FDA's mind at 11 right. The science is not definitive. 12 ease, right, that they don't have to lose 12 Let me get exactly the words. Give 13 sleep that this product is causing harm. me one second. I just want to pull it up. 13 14 That is different, right, than 14 Do you mind -- if someone could look for the word, whether FDA actually 15 whether your company has substantiated the 15 safety. I just believe your company -said and the word definitive. 16 16 17 that there was no asbestos here. That was 17 They're responding -- what they 18 the mistake. 18 have in front of them is a request from --19 19 oh. I'm frozen now. So when Sam Epstein comes in and 20 says it requires a definitive warning, 20 BY MR. EWALD: FDA's going, uh, there's no asbestos here, 21 21 Q. I'm sorry. Before you go 22 we can rest assured. What's the big deal? 22 further... 23 That's what your company is saying. 23 MR. EWALD: Jake, can you tell me 24 24 BY MR. EWALD: which number? I'm having trouble 25 Okay. So I want you to leave aside 25 finding -- never mind. I found it. Never Page 205 1 the asbestos point for a moment because, at 1 mind. 2 2 least as I understand it, the epidemiology (Whereupon, Exhibit 13, Cancer 3 points that you're making in Section 5 of your **Prevention Coalition Citizen Petition** report are not dependant on whether or not 4 Seeking Carcinogenic Labeling on all there's asbestos in Johnson & Johnson talc. 5 Cosmetic Talc Products, dated November 17, 5 6 1994, was marked for identification.) 6 correct? 7 MS. O'DELL: Object to the form. 7 BY MR. EWALD: 8 THE WITNESS: I -- I would have to 8 Go ahead, Doctor. 9 9 go back. I mean, the epidemiology Yeah. So here is -- FDA didn't --10 independently raises questions, such as 10 I mean, we can all -- I don't want to be how the epidemiology negates your ability 11 critical of my former agency. But if you look 11 12 to substantiate the safety in my view. 12 at Steven Musser's response, Dr. Musser's 13 You can't say this product -- I 13 response, I mean, the growing body of evidence 14 mean, in light of that epidemiology and 14 to support a possible association between 15 the totality of that evidence, right, genital talc exposure and serious -- serous 16 you've not -- you've not cleared this 16 ovarian cancer is difficult to dismiss. The product. You can't say this product --17 17 evidence is insufficient for FDA to require as 18 you can't assure the safety of this definitive a warning as you are seeking. 19 product in light of that epidemiology. 19 That is a standard that FDA is 20 BY MR. EWALD: using. This -- so they are -- they are adding 20 21 the -- they are responding to the petition Q. And you're saying --21 That's what Section 5 says. asking for a warning that was definitive. 22 22 And you're saying that the 2014 FDA Okay. FDA say -- said it could not do that. 23 23 24 response relied on the wrong standard; they 24 FDA did not respond to the question 25 of whether J&J ever substantiated the safety of 25 screwed up?

Page 206 Page 208 1 the product. And there's no need -- if -- if 1 can't even remember what --2 FDA believes what your company said for 2 So go to -- go to paragraph 144. 3 3 50 years that there's no asbestos in their, No. Hold on. 4 right, we can discuss the role of fibrous talc. I'm sorry. Yeah. I thought you --5 Leave that aside for the moment. But FDA's 5 I thought were asking. 6 basically reassured for 50 years that there is Q. No. 6 7 not a significant risk here because you don't 7 I was trying to be helpful. You A. have asbestos in it. said -- I'm sorry, sir. I apologize. 9 So you keep going back to asbestos. Q. So I just want to note here you 10 And I'm asking you in your 10 talked about the couple of sentences in this 11 Section 5 of your report talking about 11 2014 paragraph that 2014 response from FDA does 12 epidemiology, you agree with me that does not 12 also note that we are committed to the 13 have anything to do with whether or not there 13 protection of the public health and share your 14 is asbestos in J&J talc products, correct? 14 risk -- share your interest in reducing the 15 MS. O'DELL: Object to the form. 15 risk of ovarian cancer. 16 You may answer. Current regulations state that 16 17 THE WITNESS: Yeah. No. I 17 cosmetic products shall bear a warning 18 apologize. 18 statement whenever necessary or appropriate to 19 So I thought you took me out of prevent a health hazard that may be associated 20 direction. I thought we did five, and 20 with a product. 21 then you took me outside of five, right, 21 Do you agree that at the time in 22 to -- with regard to the questioning, 22 2014, this was an accurate statement of at 23 right? 23 least one of the regulations that could apply BY MR. EWALD: 24 24 to the warning statement on the cosmetic 25 Right. 25 product? Page 207 Page 209 1 So you are right. Five just says I'd have to go back and just --1 2 in light of the -- in light of the you'd have to give me a couple of minutes to epidemiology, there are serious questions that 3 compare that to the statute. You know, again, question the safety of this product. You 4 there's -- as you just correctly said, there is can't -- you've not assured the safety of the 5 this other sort of arcane requirement when you product. That's all I say in five, right. 6 don't substantiate, you have to say your 7 Q. product is un- -- safety has not been But --8 But the bigger question here -- I 8 substantiated. And that's what FDA is missing mean, again -- I'm sorry. Let me stop there, 9 10 10 sir. So this is only part of this --11 part of the regulations as you eluded to in 11 Q. It's all right. So the bigger question, right, 12 your question. 13 is -- I mean, why is FDA -- you know, I mean, 13 Okay. But do you agree that the Q. 14 is what we've been talking about, which is that 14 FDA --15 the risk of the product, I mean, is -- the 15 A. I -- I --16 major risk of this product is -- that FDA's 16 I'm sorry. The FDA accurately 17 concerned about is whether asbestos -- there's 17 stated some -- at least one -- one requirements 18 no asbestos. There's no risk. That's an 18 in this letter and understood it? 19 overstatement because there's fibrous talc, and 19 I'd have to go -- we'd have to --20 we have to consider that. 20 you'd have to put up the statute and the regs 21 But the reason FDA's been in its 21 for me to opine on that officially on what the 22 seat for 50 years, right, is that there's no --22 actual standard. I -- whenever necessary or you've been saying there's no asbestos in it, 23 24 and it believed you. 24 appropriate to prevent a health hazard, we just

25 have to look at the statute. If that

So in this 2014 response -- and I

25

Page 212 Page 210 1 citizens' petitions from Cancer Prevention 1 matches -- if those words are exactly out of 2 the statute, then that's fine. I just -- I Coalition, one dated November 17th, 1994, and don't have that committed to memory. 3 the other dated May 13th, 2008, right? 4 That's fine. After the publication 4 A. Yes, sir. 5 of this response 2014, at any point in time did 5 And in your report you state on two 6 you communicate to anyone past or present at occasions, in particular on page 59, 6 7 FDA that felt like they misunderstood the 7 Footnote 55, that -standard? 8 Well, hold -- hold on. Let me get 9 there. I apologize. Let me just get there. A. Did I communicate to anyone since when -- since what -- since when? 10 10 O. 11 Since the issuance of this letter 11 A. Thank you very much. 59, 12 on April 1st, 2014. 12 footnote --13 A. Well, I'm not aware of this letter 13 Q. 55. 14 in 2014, I don't believe, okay. I'm not 14 A. Yes, sir. I'm there. 15 involved. Okay. You state, "As I stated 15 O. 16 O. Have you seen this letter before? 16 above, based on my recollection, I was not 17 Have I seen it before? personally and substantially involved in talc A. 18 I thought you quoted it in your 18 matters while commissioner. There were certain Q. 19 19 letters that were addressed to the commissioner report. 20 A. I'm not -- I'm sorry. Maybe I'm 20 during that time period concerning talc." 21 missing. 21 Did I read that correctly? 22 22 What I simply was saying, I'm A. Yes, sir. 23 certainly aware of the FDA's response, okay, in 23 Okay. And what, if anything, do 2014. I'm not aware that I was aware of it on 24 you remember about the 1994 citizen petition 25 April 1st when it came out. I wasn't at the 25 letter relating to talc? Page 211 Page 213 agency, and I wasn't involved in this matter. 1 I remember nothing. I have no 1 I certainly became aware of this in 2 recollection about this while I was at FDA. I 2 my studying, in my involvement of this matter. mean, I have no recollection about this issue Do you understand? either now or then arising during the FDA. I 4 But I wasn't necessarily aware of 5 5 don't have any recollection. this in 2014. Q. And so --6 6 7 Does that answer your question? 7 A. I went back and checked my book and 8 Q. So am I understanding that you 8 my years at FDA. I didn't see anything. I believe -- and I -- and I looked at the weren't aware of this ruling until you started 10 working as an expert in this case, 2016? 10 database to see if I was involved in any A. I -- I don't know exactly when I 11 11 matters. 12 knew that Sam Epstein's petition was turned 12 I was involved in cosmetic matters, 13 down. I do not recall the date of that. 13 but not involved in talc as I -- as I can 14 MR. O'DELL: Hey, you guys, the 14 recollect. 15 eclipse is happening now, I think. 15 Okay. And just so the record's Can we take a short break? 16 clear, when you say you were not involved in 16 17 talc during your tenure as commissioner of the 17 MR. EWALD: Sure. 18 FDA, you're not just specifically talking about 18 (Whereupon, a break was taken.) 19 the 1994 citizen's petition; you are referring 19 BY MR. EWALD: 20 20 to any issues related to talc whatsoever? Okay. Doctor, when we left off, we 21 were talking about what we had marked as 21 I have no recollection of any 22 Exhibit 13, which is the FDA response to 22 issues pertaining to talc. Now saying that, you know, if you 23 citizens' petitions related to talc. 23

go to the national archives and we FOI it,

you're going to see my name on that letter.

24

And you're aware, am I correct,

25 that this 2014 letter is in response to two

24

Page 214

1 I'm aware of that. I mean, that came in, or 2 there may have been other correspondence.

But I don't remember being involved at all in any matters. That doesn't mean my memory's perfect.

- 6 Q. Understood. You referred to your 7 book.
- 8 Just what book are you referring 9 to?
- 10 A. So I -- I did a book called "A
- 11 Question of Intent." It was really --
- 12 primarily it was about my FDA term and
- 13 primarily about tobacco.
- 14 Q. And you indicated that you went
- 15 back and looked at that to see if there was --
- 16 A. I--
- 17 Q. -- any mention of any talc?
- 18 A. I believe I did. I've got to
- 19 double check, but I don't believe there's
- 20 anything about talc in that book. If there
- 21 were -- and it deals with most of the issues
- 22 that I dealt with while I was FDA commissioner.22
- Q. And you said you also searched the discovery MDL database?
- A. I just put my name in because I

Page 216

- 1 usually got referred. It -- it was a long rich
- 2 history of citizens' petitions. I mean,
- 3 tobacco got started. I mean, I got involved.
- 4 There was a 1988 citizen's petition on tobacco
- 5 that got submitted that I picked up in 1992.
- 6 But for the most part, the
- citizens' petitions will be dealt with by the
- 8 substantive center for which that petition will
- 9 be submitted with the subject matter. It will
- 0 be dealt with by the center and those experts
- 1 within the center that have, you know,
- 12 expertise on that matter.

13 And the administrative structure

- around that center -- obviously, they can come to the commissioner and ask for help; or there
- 16 are times when a matter, such as tobacco, I
- 17 mean, is in very significant public view where,
- 18 you know, I mean, I involve myself, okay, in
- 19 that matter.
- Q. All right. And so when this
- 21 citizen's petition came in and in 1994 to FDA
 - from the Cancer Prevention Coalition, what
- 23 would be the substantive center that would be
- 24 directed to you?
 - A. It would -- it would be exec sec.

Page 215

25

6

- 1 wanted to know whether my recollection was
- $2\ \ correct,$ right, whether I -- you know, was I
- 3 involved.
- 4 I have -- you know, I didn't see
- 5 with regard to talc -- again, cosmetic issues,
- 6 my name came back on a number of cosmetic
- 7 issues that I remember that I allude to in this
- 8 report, not on talc.
- 9 Q. What -- well, am I correct that you
- 10 were commissioner of the FDA from 1990 to 1997,
- 11 correct?
- 12 A. You know, not the entire 1990 to
- 13 1997; but yes, you're correct.
- 14 Q. Okay. And during that period of
- 15 time, what was the typical procedure in your
- 16 office if a citizen's petition came in on topic
- 17 addressed to you?
- 18 A. There were -- I mean, I think I
- 19 once, in another matter, compiled all the
- 20 citizens' petitions. I mean, I think if my
- 21 recollection -- I'd have to go back. There was
- 22 no shortage of citizens' petitions. You're
- 23 dealing in quite a large number of citizens'
- 24 petitions that were -- that were filed, right.
- 25 And, you know, citizens' petitions

Page 217

- 1 It was an exec -- executive organization within 2 the commissioner's office. And it would be
- 3 assigned there, and it would go down to sift
- 4 sand; and then it would go to the cosmetic
- 5 branch within sift sand.
 - Q. And is there any process while you were at FDA in getting commissioner sign-off
- 8 for responding to a citizen's petition?
- 8 for responding to a cruzen's petition?
- 9 A. Not that I'm -- not that I'm aware 10 of. That is a delegated authority, and it
- would be done by the substantive center unless
- 12 -- unless the center asked for assistance or
- 13 the commissioner were involved.
- 14 Q. Do you recall who would have been
- 15 the individual who ultimately had that16 delegated authority at FDA when the citizen's
- 17 petition came in in November 1994?
- 18 A. So again, if you have the
- 19 response -- I mean, you note that the response
- 20 was not until 2014 or 1994, so it's a 20-year 21 history.
- 22 But my guess is what you will see,
- 23 for example, on the '88 response, there was a
- 24 response to a citizen's petition. On the last
 - 5 page of that response, if you have an FDA

	D 010		P. 220
1	Page 218 internal copy, you will see all these codes,	1	Page 220
2	right.	2	to that process when you came along as commissioner in 1990?
3	So I mean, I'm happy to bring it	3	A. No. In fact, if anything, there
4		· .	were there was a huge backlog on citizens'
5	up. THE WITNESS: Do you have the '88	5	petitions. I mean, there were petitions that
6	petition?	6	were held over from the '80s that I was dealing
7	I can just use that.	7	with still that had never gotten answered.
8	You will see all these codes there	8	And as you can see, the 1994
9	of different people who are involved in	9	petition got answered in 2014.
10	the sign-off. So let me just pull that	10	Q. So do you have any knowledge at all
11	BY MR. EWALD:	11	how FDA was responding, if at all, to the 1994
12	Q. I'm sorry. I want to make sure	12	citizens' petitions while you were commissioner
13	we're on the same page.	13	through some point in 1997?
14	You're talking about the calculated	14	A. No. I as I said, I've had no
15	one in '86?	15	I have no recollection of this issue whatsoever
16	A. Yeah. What was what was the	16	during that time period.
17	response?	17	Q. The footnote that I read a few
18	What year was the response? The	18	moments ago on page 59 says that there were
19	response was '86?	19	certain letters that were addressed to the
20	Q. It was '86, I believe. I might be	20	commissioner during that time period concerning
21	wrong, but	21	talc.
22	A. The one by Dick Swanson.	22	I'm specifically looking at the
23	When did Dick Swanson respond?	23	plural "letters."
24	Q. I believe '86.	24	Are you aware of any letters other
25	A. So you're right. I am it's '86.	25	than the 1994 citizen's petition from Cancer
	Page 219		Page 221
1	Page 219 So if you go, for example, to page 4 of that,	1	Page 221 Prevention Society relating to talc?
1 2	Page 219 So if you go, for example, to page 4 of that, right.	1 2	
l	So if you go, for example, to page 4 of that,		Prevention Society relating to talc?
2	So if you go, for example, to page 4 of that, right.	2	Prevention Society relating to talc? A. You know, you're right. That could
2 3	So if you go, for example, to page 4 of that, right. Q. Hold on. Is that the page?	3	Prevention Society relating to talc? A. You know, you're right. That could be an error. That could be accurate. I'd have
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2 3 4 5	So if you go, for example, to page 4 of that, right. Q. Hold on. Is that the page? A. Yeah. So just as an example, so leave aside the cc's because that's where	2 3 4 5	Prevention Society relating to talc? A. You know, you're right. That could be an error. That could be accurate. I'd have to go back and check the database. I mean, it would be in your discovery database. You can
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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	So if you go, for example, to page 4 of that, right. Q. Hold on. Is that the page? A. Yeah. So just as an example, so leave aside the cc's because that's where copies went, right; and those are where it got filed, but you can see who prepared it, who initialed it and where it was circled, right. So I'm blocking. Commissioner Frank what was Frank's last name? I'm blocking. I don't see the commissioner's name here as having signed off on this, for example. Most of these are either John Taylor was regulatory affairs. Gary Flamm was mostly Bob Lake this as all sift sand directed people. Derfler was general counsel, right. So this is general counsel, and the center responded, with John Taylor at regulatory affairs also taking the lead. So that would give you a sense.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. You know, you're right. That could be an error. That could be accurate. I'd have to go back and check the database. I mean, it would be in your discovery database. You can just I mean, as we sit here right now, the only one that I can visualize and I mean, now from my studying this, not when the time it came in more recently that was the Sam Epstein that was addressed to me. Q. All right. So let's mark as Exhibit 14, the 1994 letter. I will drop it in the chat. Just give me a second. MR. EWALD: I've got this one, Jake. (Whereupon, Exhibit 14, Letter dated November 17, 1994, with enclosure of Citizen Petition Seeking Carcinogenic Labeling on all Cosmetic Tale Products, was marked for identification.) THE WITNESS: Can we get these

1	Page 222	1	Page 224
$\frac{1}{2}$	to adjust something for a minute here, so	$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	put on to a docket; yes, sir.
$\begin{vmatrix} 2 \\ 3 \end{vmatrix}$	keep putting it in the chat. THE WITNESS: Yeah. I've lost	$\frac{2}{3}$	Q. Okay. And it states, among other things, that this citizen's petition is based
4	those other monitors.	4	on scientific papers dating back to the 1960s,
5	Does anyone have an iPad that I can	5	which warned of increased cancer rates
6	kindly pull up with the documents?	6	resulting from frequent exposure to cosmetica
7	I've lost my two other monitors for	7	grade talc.
8	the moment.	8	That's what it says right?
9	So, Mr. Ewald, I'm going to borrow	9	A. Right.
10	someone else's iPad so I can look at this	10	Q. And then if we scroll down in the
11	document so I don't take you off the	11	formal formal part of the petition, it
12	screen.	12	states that research done as early as 1961 has
13	BY MR. EWALD:	13	shown that particles similar to tale and
14	Q. Sure.	14	asbestos particles can translocate from the
15	A. Thank you, sir.	15	exterior genital area to the ovaries in women.
16	Let me I'm happy if you could	16	Do you see that?
17	try to do this without my flashing on the	17	A. I do.
18	screen, let's not to hold you up I'm	18	Q. "These findings provide support to
19	happy	19	the unexpected high rate of mortality from
20	MR. EWALD: There's two ways to do	20	ovarian cancer in female asbestos workers.
21	it. We can try going forward with that,	21	Minute particles such as talc are able to
22	or we also can go off the record. I just	22	translocate through the female reproductive
23	don't want my time going into the	23	tract and cause foreign body reactions in the
24	difficulties. I'm not saying suggesting	24	ovaries."
25	you want that either. I'm just saying	25	Did I read that correctly?
	Page 223		Page 225
1	Page 223 it's up to you guys.	1	A. You did.
1 2	it's up to you guys. MS. O'DELL: We've got it right	1 2	A. You did.Q. And then it goes on to say, "There
	it's up to you guys. MS. O'DELL: We've got it right here. So just give us a second.	2 3	A. You did. Q. And then it goes on to say, "There is a large body of scientific evidence dating
2 3 4	it's up to you guys. MS. O'DELL: We've got it right here. So just give us a second. MR. EWALD: Okay.	2	A. You did. Q. And then it goes on to say, "There is a large body of scientific evidence dating back 30 years on the toxicity and mineralogy of
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Page 226

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1 Α. Cramer is cited in Number 17

2 footnote.

8

3 Q. Right. In your view is the

- 4 evidence that's presented in the citizen's
- petition sufficient to show that there may
- 6 be -- that a warning label should have gone on
- talcum powder products as of 1994?
 - A. Let me understand your question.
- You're asking whether the statement -- does it
- support the evidence that talcum powder causes 10
- 11 cancer in laboratory animals. Frequent talc
- 12 application in the female genital increases the
- 13 risk of ovarian cancer. So you're asking for a
- 14 causation standard in laboratory animals where
- 15 the evidence --
- 16 O. No.
- 17 A. -- supports that? I'm sorry.
- 18 No. I'm sorry. And I -- it may
- 19 well -- the problem may be on my end.
- 20 21 that you are citing, the regulatory standards

- 23 report relating to warning and substantiate

11

I'm asking you, from the standards

22 from the FDCA and CFR that you quote in your 22

- safety, does the evidence that's presented in
- 25 this 1994 citizen's petition directed to you,

in your mind, require a warning on talcum powder products?

3 A. I'm confused because there's a

- specific warning that it is requested that is
- the subject of this. You're asking me whether
- 6 it's -- whether there's a different warning --
 - Q. Yes.

7

- 8 A. -- that would be substantiated.
- Yes. I'm saying don't worry about
- 10 the specific warning that's asked. I'm asking
- 11 you on the evidence that's presented in this
- 12 1994 letter directed to you, understanding that
- 13 it didn't go directly to you, but it's directed
- 14 to you, whether or not the evidence presented
- 15 there is sufficient --
- 16 A. Yeah.
- 17 O. -- to require a warning under the
- 18 rules and regulations that you cite in your
- 19 report.

25

- 20 A. So just to be clear on what warning
- 21 we're talking about that I am saying -- that we
- are -- whether we are talking about the safety
- 23 of the product has not been substantiated, that
- 24 would be the warning.
 - Is there evidence in this that

Page 228

supported -- at this time that would support a

warning that the safety has not been 3 substantiated.

That's your question?

Q. That's one of my questions. Let's 6 start with that one.

7 Feel free to ask any question you 8 want. I don't want --

9 I said that's one of my questions,

10 so that's the question I'm asking first. So I believe that if you ask that

12 question -- and again, I'd have to -- I don't 13 want to -- I would want to go back and look

14 exactly what is cited in this letter, right.

15 I'd want to make a list of what is cited in 16 this letter.

But what I can tell you is that as 18 of 1994, certainly this is the -- the -- the safety of the product was not substantiated and 20 would require a warning that it's not substantiated.

It's a little arcane FDA 23 requirement in the act. It's a -- in essence, no one's going to want to put that statement on. You're going to pull the product. I mean,

Page 227

that's the essence; but Congress, you know, gets to set the standard, and they say if you

don't substantiate, you have to say you don't

substantiate. Maybe a few people have done

that. But that's -- you know, it's just

6 basically, you don't put a product on if you 7 can't substantiate its safety.

But there's no doubt by 1994 -- and even we talked about in 1970 -- the product safety was not assured; and therefore, you have 10 11 to, with the evidence that was in place and 12 certainly in the '70s, '80s, and '90s.

Once you know, okay, once you --14 once you know that asbestos is in this product, it becomes a slam-dunk, right, that not only should there be a warning, the product 16 shouldn't be sold.

So by 1994 this product should -once you recognize there's asbestos in this product, okay, and you can't assure that asbestos is not in this product, this product 22 shouldn't be sold. 1994, 1970.

23 Q. Okav.

24 That's not what FDA is focused on

25 because FDA is focused on whether the petition

Page 230 Page 232 1 makes the support for the petitioner's --1 A. Absolutely. And I -- and I 2 petitioner's request, right. That's what FDA appreciate your hypothetical, right. I is paying attention to. think -- I have no doubt in my mind, once you 4 And in the background of this, I understand that asbestos is in talc, right, you 5 mean, certainly, we knew through the late '80s 5 have a duty, one, not to -- I mean, the product we have evidence that FDA really thought that becomes adulterated. And if you are so there wasn't -- there was no asbestos in this misguided you continue to sell it, right -- I stuff. You -- the -- J&J, in essence, mean, why would you want to sell an adulterated product? So that's the first step here. convinced the agency that there's no asbestos 10 in this. They bought -- they bought that. 10 Now, so -- so you want to sell an 11 So we talked about the warning and 11 adulterated product, but you're going to -- of 12 safety of this product has not been determined. course you would have to put that label on it, 12 13 What about the requirement that you but that doesn't get you out of the 14 talk about in your report that the cosmetics 14 adulteration. 15 label shall bear a warning statement whenever 15 Once your -- once there's asbestos 16 necessary or appropriate to prevent a health 16 in this product, it's over, as your company has finally recognized by pulling the product. 17 hazard that may be associated with the product? 17 18 Is it your view based on the 18 You don't -- in 2019 you didn't put 19 evidence that is described in this citizen's 19 a label on it, oh, FDA found asbestos. You 20 petition letter of 1994 directed to you that it 20 pulled the product. That's what you would do. 21 is sufficient to require a warning statement 21 A hypothetical, you know, again, I 22 because it needs to prevent a health hazard 22 mean, it's an interesting -- you can talk about that may be associated with the product? a legal standard, but the core responsibility 24 A. Could you just show me the is not to sell an adulterated product; and you 25 don't sell products that have asbestos in it, paragraph --Page 231 Page 233 1 THE WITNESS: I'm sorry, Counsel. and it had asbestos in it. 1 2 MS. O'DELL: That is my question. 2 Doctor, I'm not talking about 2019 3 right now. I'm not talking 2024. 4 THE WITNESS: Paragraph 31. 4 I'm asking you, hypothetically, the 5 MS. O'DELL: Could you repeat your evidence that is contained in this citizen's question, please, John? 6 petition from 1994 directed to you, in your 7 MR. EWALD: Sure. mind, is it sufficient to require a warning at 8 BY MR. EWALD: that time that talc products implicates 9 Q. My question is: Based on the 21 CFR 740.10, there should a warning statement 10 evidence that is cited in this 1994 citizen's 10 whenever necessary appropriated to prevent a petition letter directed to Dr. Kessler, is it health hazard that may be associated with a 12 sufficient, in your mind, to require a label on 12 product. That's my question. 13 talc products that contains a warning statement MS. O'DELL: Object to the form. 13 14 to prevent a health hazard that may be 14 THE WITNESS: And the point of 15 associated with the product? 15 clarification that I would need to know Are you -- I'm not -- are you 16 16 from you in your hypothetical is, is 17 saying that I made that as one of my opinions 17 asbestos in your product in your 18 in this report? 18 hypothetical. 19 Are you asking a --19 BY MR. EWALD: Q. No. I'm asking you a hypothetical. 20 20 Q. I -- I am -- the only hypothetical So you're asking me to go beyond my 21 21 part about it is you making the decision on it. 22 report and what's my opinion? 22 I want you to assume that this 23 I'm asking a hypothetical, which state of knowledge at the FDA and publicly is 24 is, as you know, it's been done for a long 24 the same as it actually historically was and is

reflected in this document.

25 time. It's perfect for expert witnesses.

,	Page 234	1	Page 236
$\frac{1}{2}$	MS. O'DELL: Object to the form.	1	1970s. It got the testing results. The
2	Incomplete hypothetical.	2	industry walked in J&J walked in and
3	You may answer it anyway you'd	3	said, no problem, we've got this under
4	like, Doctor.	4	control; we have a testing method.
5	MR. EWALD: Well, he can't answer	5	That statement's repeated in the
6	any	6	literature for decades. FDA believes
7	THE WITNESS: I'm happy	7	that. That's why your getting these
8	MR. EWALD: He has	8	FDA's responding like this. You know,
9	THE WITNESS: I I'm happy to	9	level with the agency. There's asbestos
10	MR. EWALD: He has to answer it	10	in it. This is over.
11	truthfully.	11	BY MR. EWALD:
12	BY MR. EWALD:	12	Q. So we'll get to the agency's
13	Q. You have to answer it truthfully,	13	response and what happened in 1970s, but you
14	but go ahead.	14	keep on avoiding my question.
15	MS. O'DELL: So that's not the	15	I want you to leave your
16	question, John. The question is you're	16	asbestos is your opinion that if there's no
17	directing a certain response from	17	asbestos, then there's no problem?
18	Dr. Kessler, and my instruction to him was	18	MS. O'DELL: Object to the form.
19	he may answer in any way he feels	19	THE WITNESS: No. No, I didn't say
20	appropriate. He doesn't have to comply	20	that. And as
21	with your request, but he we object to the	21	BY MR. EWALD:
22	form of the question.	22	Q. Okay.
23	THE WITNESS: In 1994, to answer	23	A. I mean, I think that whenever
24	the question this way, if I were if I	24	there's fibers mineralogical fibers that
25	were if I knew as commissioner, right,	25	have biological activity, there's an issue.
		l	
	Page 235		Page 237
1	that talc had asbestos, if J&J walked in	1	I'm just saying let's leave that issue aside
2	that talc had asbestos, if J&J walked in and told me that, right, that product	2	I'm just saying let's leave that issue aside for the moment, right.
2 3	that talc had asbestos, if J&J walked in and told me that, right, that product would be off the market.		I'm just saying let's leave that issue aside for the moment, right. This really depends on this last
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1	Page 238 THE WITNESS: I'm out of the	1	Page 240 MR. EWALD: And this is "Talc:
2	MS. O'DELL: object to the form.	2	Consumer Uses and Health Perspectives."
3	THE WITNESS: I'm out of the	3	We'll make this Exhibit 15. It's dated
4	agency. I don't have a duty. I mean, I'm	4	October 1, 1994. It's cosponsored by the
5	not running the agency in 2014, so I'm not	5	International Society of Regulatory
6	sure I understand your question.	6	Toxicology & Pharmacology and the United
7	You look at the record	7	States Food and Drug Administration.
8	BY MR. EWALD:	8	(Whereupon, Exhibit 15, Document
9	Q. Let me	9	entitled, "Talc: Consumer Uses and Health
10	A. Let me finish the answer to my	10	Perspectives," dated October 1, 1994,
11	question, please.	11	cosponsored by the International Society
12	Q. Okay.	12	of Regulatory Toxicology & Pharmacology
13	A. If you look at the record, what we	13	and the United States Food and Drug
14	do have, okay, is in 1988 in the response; and	14	Administration, was marked for
15	if you look at the record in 1988, right, FDA	15	identification.)
16	believes just look at the just look at	16 17	BY MR. EWALD:
17 18	the I mean, even just Q. I'm looking at it. It's '86,	18	Q. And then you see, Doctor, on the
19	though, right?	19	first two pages, you have a list of participants, correct?
20	A. It's '86. I'm sorry. You're	20	A. Yep.
21	right, Mr. Ewald. Thanks for the correction.	21	Q. And the list of participants
22	I appreciate it. You're absolutely right. I	22	include a number of folks from FDA, correct?
23	stand corrected.	23	A. Yep.
24	In that '86 letter, you look at	24	Q. Including in that is someone from
25	what Swanson says, right, it's that the	25	your office, correct?
	Page 239		Page 241
1	industry put into put in J4-1 and that	1	A. I think Merkatz is listed.
2	assures the public that the risk is minimized.	2	Q. I see Carol Schmenan?
3	That was not the case.	3	A. Carol Schmenan, yeah.
4	And you see that that the	4	Q. It says Carol Schmenan, U.S. Food &
5	support that there is not asbestos in the	5	Drug Administration Commissioner's Office,
6	product, right, is I mean, in that record to	6	right.
l _	that response. So again, it's all based on the	7	A. Right.
8	fact that you fixed the problem with J4-1, and	8	Q. Do you remember Carol?
9	you didn't.	9	A. Yes. She was there, yep.
10 11	Q. All right. Doctor, are you familiar with a symposium held in October 1994	10	Sorry?
12	that was cosponsored by the FDA related to	12	Q. Do you remember Carol?A. Yes.
13	tale?	13	Q. Do you think highly of Carol.
14	A. A workshop?	14	A. Very much so. Great public
15	Q. Yes.	15	servant.
16	A. And I have my workshop notes, yes.	16	Q. So the executive summary this
17	I have gone back and studied that, yes, sir.	17	is, by the way, published in the Regulatory
18	Q. Okay. And so I take it from your	18	Toxicology and Pharmacology in 1995 and talks
19	earlier testimony that you have no recollection	19	about: "This issue of the journal is largely
20	whatsoever of having any involvement with that		dedicated to report on a January 31-February 1,
21	workshop and any statements about that?	21	1994, workshop on talc organized in a joint
22	A. I have no recollection of that	22	sponsorship of the U.S. Food & Drug
23	workshop taking place during the time I'm at	23	Administration; the Cosmetics, Toiletries, and
24 25	commissioner. I have studied that since then. Q. Okay.	2425	Fragrances Association (CTFA); and the International Society of Regulatory Toxicology

Page 242 1 and Pharmacology (ISRTP). Although not all 2 papers given at the meeting were made available 3 for publication, this offers a general overview of the substance of the presentations and 5 discussions." 5 6 And after discussing some aspects, 6 it talks about Dr. Gilbertson. 8 Are you familiar with 9 Dr. Gilbertson? 10 A. I know the name, certainly, yes. 11 Okay. Do you have any -- what 11 12 12 is -- what is your recollection of what kind of 13 public servant Dr. Gilbertson was? 14 A. I -- I'm -- I'm trying to place 15 him. I'm drawing a blank for the moment. I'm 16 sure he was a dedicated public servant. 17 And so it says here in these 18 minutes that Dr. Gilbertson FDA reviewed the 19 harmonization of international standards and 19 20 regulations for cosmetic talc in its consumer 20 21 application. In their joint evaluation, talc has proven to be among the safest of all 22 22 23 consumer products." 23 24 24 That's what is relayed, right? 25 Yeah. That's what's written there. 25 not. Page 243 1 1 sir. 2 2 Okay. All right. Now let's look Q. 3 at --

Are you implying -- I just want to

There is no -- there's no question

Okay. So you're not saying that

Carol Schmenan and Mr. Gilbertson had anything

I just want to make sure the

Q. Well, are you suggesting that the

A. Yes, I am. And, in fact, if you go

14 article misrepresents what was stated at the

17 back -- if you go back and look -- and I'm

20 1994, right, of the CTFA, what is striking 21 about that article that you just showed me,

22 right, that that group of industry officials,

23 right, decide to pay for an overview.

interested party task force dated July 25th,

The FDA is not at that meeting.

25 This article was paid for by the CTFA, and this

18 referring you to draft minutes of the talc

Page 244 1 document that's -- I'll give you the Bates number. It's a J&J document. It's minutes, talc-interested party, shows how that was written, right, by the industry, paid for by the industry. And when you go through -- and I 7 did this because I was interested, and I give it to you. I mean, I just quickly tried to compare what was done in the transcript of that 10 meeting to what was in that article, and they don't match. In fact, if you look at the 13 conclusion of that article, it says there was a 14 conclusion made. In fact, there was no 15 conclusion made. There was some independent 16 statements. And if you look at individual --17 how that article was -- what that article 18 alleges that certain people say, that's not what their testimony said. So there is a major problem with 21 that article, and you should just be aware of that. Okay. And just so the record's clear, you say what was the fact and what was

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You were not at the meeting, right?
          You have no recollection of ever
3
  hearing about that meeting, correct?
           That's correct. But what you do
4
5
  have -- I mean, but what I can do right, I
  think objectively, is we do -- I have the
  transcript. I've gone through the transcript
```

of that meeting and what was said. So while I wasn't there, I have the words of everything 10 that was said. 11 There was a verbatim transcript of 12 every presentation and of every word. That's 13 usual for a workshop like that. That -- that 14 work- -- that workshop transcript doesn't match 15 that article. That's a head scratcher. 16 21 23 this? Who wrote this? 24 You just seem to imply that

And then you go -- well, that's 17 not -- a workshop -- if you look at that 18 article, there's a conclusion that basically 19 was, well, safety is -- I forget what the last 20 paragraph exactly says. But that was never -that was never the conclusion at the meeting, 22 nor was -- so I go back and I go who paid for 25 Gilbertson and Schmenan were part of this.

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make sure --

pending, Doctor.

to do with that -- that article?

O.

12 record's clear.

workshop?

Page 245

1	Page 246	1	Page 248
$\frac{1}{2}$	Yeah, they showed up at this meeting; but the	1	the safest of all consumer products."
$\frac{2}{2}$	industry wrote this, and that article does not	2	So my question to you, Doctor, is:
3 4	represent what happened at that meeting. Go	3 4	Do you have any basis at this point in time to
5	look at the transcript.	5	tell me that Dr. Gilbertson didn't say what was
1	Q. Okay. So you are suggesting that	6	reported in his publicly available article?
6 7	when the publicly available article's been out there since 1995 says what Dr. Gilbertson and	7	A. We can look exactly at the transcript. I can tell you there are other
8	the FDA says, that's just wrong?	8	statements in that article, right, that were
9	MS. O'DELL: Object to the form.	9	never made. I can assure of that.
10	THE WITNESS: I'm saying that I	10	I can't I I will go back and
11	I mean, I can if you look, for example,	11	look at that statement. We can we can look
12	okay and I'm happy to give you just	12	at that statement, but there are the statements
13	compare what Hartge says with what is	13	and the conclusion of that article is
14	reported to say. Look at the conclusion.	14	misleading.
15	Try to find that conclusion in the	15	Q. Okay.
16	transcript. It doesn't exist.	16	A. Because it never happened at that
17	BY MR. EWALD:	17	meeting and that you just note that on the
18	Q. Doctor, I have limited time. I	18	record.
19	just want to be	19	Q. Okay. Let's do
20	A. You're going to show me an article,	20	MR. EWALD: Jake, can you I'm
21	sir, and find	21	having trouble pulling up on page 88 of
22	Q. Wait. The way this works, Doctor,	22	the outline, starts at 17.04.
23	is your counsel can ask you questions about it,	23	Do you have that?
24	but you can't go off on your own and	24	MR. KEESTER: I can look. Hold on.
25	A. You showed me an article	25	MR. EWALD: Jake, find that one,
	Dog 247		Paga 240
1	Page 247 O Hold on	1	Page 249 and also find the one on page 9017 007 I
1 2	Q. Hold on.	1 2	and also find the one on page 9017.007. I
2	Q. Hold on.A. You showed me an article I'm	2	and also find the one on page 9017.007. I want to move on to something else.
2 3	Q. Hold on.A. You showed me an article I'm sorry. Let's not talk over each other.	l	and also find the one on page 9017.007. I want to move on to something else. Thank you.
2 3 4	Q. Hold on. A. You showed me an article I'm sorry. Let's not talk over each other. You showed me an article, and you	2 3 4	and also find the one on page 9017.007. I want to move on to something else. Thank you. BY MR. EWALD:
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Page 250 Page 252 1 (Whereupon, Exhibit 16, The United says -- am I correct -- it contains -- does not 2 States Food & Drug Administration's contain significant amounts of asbestiform 3 response to the 1986 citizen's petition, 3 minerals, right? 4 was marked for identification.) 4 That's what it says, but keep on 5 BY MR. EWALD: 5 reading --All right. And we talked about 6 Q. 6 Q. Right. 7 this is a couple of times earlier today, 7 A. -- reading. 8 "During the early 1970s, FDA became 8 9 This is something that you have concerned about the possibility that cosmetic reviewed at some level? 10 talc that contains significant amounts of this 11 A. Yes, sir. material. The agency received several reports 12 All right. I'm going to make it a Q. about such contamination. However, at that 13 little bit larger. So -time the analytical procedures for determining 14 But just for the sake of te -- just asbestos in talc were not fully developed, and 15 put it in the chat if you don't mind so I can most of the analytical work was conducted put it up on the screen. I have a copy, but without scientific agreement as to which this would be very helpful. Let me just --17 methods were well-suited for identification of 18 THE WITNESS: Could you close this? asbestiform minerals in talc. Consequently FDA 19 I'm afraid -- there we go. Thanks considered all analytical results to be of 20 so much. 20 questionable reliability." 21 You can keep on asking questions 21 Did I read that correctly? 22 while he does that. 22 A. You did, sir. 23 MR. KEESTER: That's fine. I put 23 And did you conduct any kind of 24 it in. investigation as to the reliability of test 24 25 MR. EWALD: Is this D-205? results for the presence of asbestos in the Page 251 Page 253 1 MS. O'DELL: That was the previous. 1 early to mid-1970s? 2 2 MR. EWALD: I'm sorry. Thank you. A. Which test results are we talking 3 3 BY MR. EWALD: about? 4 This is --I'm talking about -- this is 4 5 5 referring to at that time in the early 1970s You love the red and gold? A. Oh, yeah. It's very official. 6 the analytical procedures for determining 6 D-7214 and we go to the response to asbestos in talc were not fully developed and 7 8 the citizen's petition. It shows up on page 3 most of the analytical work was conducted without scientific agreement as to which 9 of the PDF. 10 It says, "This responds to your 10 methods were well-suited for identification 11 November 8, 1983, petition requesting that asbestiform minerals in talc. 11 cosmetic talc be labeled with an asbestos 12 My question to you is: Do you have 13 warning statement." 13 any basis to disagree with the FDA's statement And it talks about how "FDA 14 here in 1986 on that front? 14 15 recognizes that asbestos inhalation over 15 MS. O'DELL: Object to the form. 16 extended periods is hazardous to humans. The THE WITNESS: Yeah. I mean, 16 17 agency is also aware that some cosmetic talc 17 there's transmission electron microscopy. produced in the 1960s and early 1970s did I mean, with all due respect to Dick 18 19 contain asbestiform minerals. However, your 19 Swanson, who wrote this letter, I know petition has not persuaded us that the cosmetic 20 20 others reviewed there was electron 21 talc that is presently being produced contains 21 microscopy in the early 1970s. significant amounts of asbestiform minerals." 22 22 It wasn't -- the industry didn't And on that point, Doctor, the 23 23 want to use it, but there was sensitive 24 letter doesn't say that the cosmetic talc 24 methods that certainly could, in the words 25 contains no asbestiform minerals, but it 25 of this, detect -- determine asbestos in

Page 254 Page 256 BY MR. EWALD: 1 talc. And there was transmission -- yeah, 2 Q. I'm asking the questions, and I so I would disagree. And that --2 3 3 BY MR. EWALD: think you know that. 4 Right. And -- go ahead. 4 Whatever. But do you know the Keep on -- please, keep on going. answer to my question? 5 5 Just to be clear, though, that 6 6 The reason there was controversy disagreement is based on what you have learned, was that the industry didn't want to use the basically, self-taught over the last 850 hours 8 most sensitive methods, and they resisted it. in connection with your report in this case, 9 O. 10 Please go on -- on this -- please 10 fair? A. 11 MS. O'DELL: Object to the form. 11 go on on this document. 12 THE WITNESS: I mean, I had the So I also want to ask you a 12 Q. question. 13 transmission electron microscopy --13 14 microscope next to me, I mean, in the 14 In your -- would you agree with me that the vast majority of incidence where there 15 1970s when was in college. So it's not 15 entirely true that I didn't know about is supposedly asbestos found in J&J's talc as 16 17 transmission electron microscopy. reported in your expert report are from the 17 1970s; would you agree with that? 18 But, you know, as far as -- and I'm 18 19 not there at the agency in '86. MS. O'DELL: Object to the form. 19 20 Self-taught is a little --20 THE WITNESS: Well, I -- I have a 21 MS. O'DELL: Pejorative? 21 pretty detailed list. I'm happy to pull THE WITNESS: Thank you, Counsel. that up. You know what, let me pull that 22 22 23 BY MR. EWALD: 23 up in order to answer that question. I 24 24 I'm being descriptive. have a list of everything that is cited in O. 25 I know. I don't think he meant it 25 every test. Page 255 Page 257 1 that way. I actually think, you know, 1 Could you -- could you do me a self-learning is a pretty honorable sport; and 2 favor? Could I have my laboratory -- my 3 3 I'll take it any day. notebook? Transmission electron microscopy 4 4 Thank you. 5 5 was available. Sir, I have a notebook. What was Okay. And you talk about 6 your -- I have a notebook that is divided 6 transmission electron microscopy being 7 between the '60s to '70s the '80s to '90s 8 available. But they're not only talking about 8 and 2000. I'm happy to give you the 9 sensitivity here, right? number of things that I cite in each 10 10 They're talking about how the decade, right --11 analytical procedures were not fully developed 11 BY MR. EWALD: 12 and that most of the analytical work was 12 Sir --Q. 13 conducted without scientific agreement as to 13 A. -- that are here. You know, I mean 14 which methods were well-suited by 14 it's -- we can all count. I think you're 15 identification of asbestiform minerals in talc. right. There's certainly enough positive tests And have you conducted any 16 in the '70s that should have resolved this. 16 17 investigation into the adequacy of the 17 Okay. So let's go on the -- the 18 scientific test methods available in the early assessment proves to be correct -- well, 1970s to identify talc? actually, hold on. 19 19 20 Why do you think --20 So the FDA says, "Consequently, FDA 21 MS. O'DELL: Object to the form. considered all analytical results to be of 21 questionable reliability." 22 THE WITNESS: Why do you think --22 why do you think -- why do you think there I take it you disagree with the FDA 23 23 24 was that controversy, sir? 24 on this as well and you --25 25 Give me just --

Page 258 Page 260 You --Well, you're missing my point, sir. 1 O. 2 Just read the whole letter. And I -- I do disagree because the -- the 3 Uh, uh, uh, uh. I'm asking the question that I asked was who -- who wrote the questions here. Doctor I'm asking the 4 article that FDA is relying. questions here. Counsel for you is welcome to 5 Let me answer that, sir, because I ask you about other parts of the document. We 6 know you get to ask me the questions; and I'm might get there too. I'm asking you a question respectful of that, right. about one sentence. 8 But FDA is citing an article in 9 I want you to answer that question, this, right. It says, "See enclosed copy of 10 which is: Here the FDA considered all 10 the National Bureau of Standards Special analytical results to be a questionable Publication 506 entitled, "Misidentification of 12 reliability from the early 1970s. My question 12 Asbestos." That's the authority that FDA is 13 is: Do you disagree with the FDA on that? relying on. 13 14 So in order to answer that 14 If you turn to that article and you 15 question, I would ask for sake of completeness, 15 see that it is authored by William H. Ashton. 16 that you read the next sentence. 16 So FDA is saying that all this 17 Fine. "This assessment proved to testing is screwed up. Very nice it says it's 17 18 be correct because many questions were 18 the National Bureau of Standards, but this is 19 subsequently raised about results reported in 19 J&J. Somehow Bill Ashton worked his way in to 20 the literature (see enclosed copy of National 20 be able to write an article that gets -- it 21 Bureau of Standards Special Publication 506 says National Bureau of Standards, right. But 21 22 entitled, "Misidentification of Asbestos in 22 this is J&J feeding the FDA that the testing is 23 Talc"). Because of the questionable nature of 23 not reliable. the analytical results, the agency was not able 24 And if you look at the record, to assess reliably the levels of asbestiform 25 right, transmission microscopy could have been Page 259 Page 261 1 minerals in cosmetic talc then in the 1 used. This could have all been settled back marketplace." then, but the industry didn't want it because 3 Thank you. I appreciate that very 3 it was picking up asbestos. much. Again, you get to ask the question, but Do you have any basis to question 4 here's the rhetorical question: Who do you the mineralogical and microscopic capabilities think wrote that article that's referenced that of Dr. Ashton during this time period other 7 FDA is relying on? 7 than the fact he is a J&J employee? 8 So, Doctor, my question to you is: 8 MS. O'DELL: Object to the form. 9 The FDA here is questioning the reliability --THE WITNESS: I -- I don't want 10 10 to -- I didn't know Dr. Ashton. I've A. O. -- of the test results in the 1970s never met Dr. Ashton. 11 11 on the --12 You know, you -- you feel when you 12 13 13 read, you know, somebody's historical --A. Yep. 14 -- testing of -- sir, you know I'm 14 the documents, you feel like you get a 15 in the middle of a question. Please let me 15 sense of that person. I don't want to cast any aspersions on the clear 16 finish. 16 17 Α. Of course. 17 Bill Ashton. 18 Here the FDA is questioning the 18 BY MR. EWALD: reliability of test results for the presence of 19 Q. Let me ask you --19 asbestos in talc in the 1970s based on Let me -- let me finish the answer. 20 20 21 21 questions about the reliability of the Q. Sure. 22 analytical procedures. 22 A. Let me finish the answer to my

It is inconceivable, okay, that --

25 let me put it this way: It was masterful,

23

24

question.

25 talc testing for asbestos?

My question is: Do you disagree

24 with the FDA on their assessment of the 1970s

23

1	Page 262	1	Page 264
	right. I mean, this was I mean, the	1	MS. O'DELL: Object to the form.
2	what substitute any word you want: Scheme,	2 3	THE WITNESS: If you look go
3 4	story, narrative, that got Bill, right.	4	further in this document, go into the
	Turn to the if you turn to the		background documents, okay, look at memos
5	next page of this letter for completeness,	5	to Gary Flamm I'm sure you've seen
6	right, and you read the second paragraph,	7	them where Flamm says there is a
8	right, it says Q. I'm sorry. We are not	8	consensus let me let me get it to get the exact words.
9		9	Flamm is saying at FDA the fact
10	A. No. I get to answer my question. I get to finish the answer to my question,	10	it's a general consensus the current talc
11	please.	11	mines are virtually free of asbestos.
12	Q. Go ahead. Read the whole damn	12	Offending mines should have gradually
13	thing. Go ahead.	13	been abandoned, you know, and that any
14	A. It says, "After FDA took these	14	residual silicates in talc are so are
15	actions many cosmetic manufacturers began to	15	finely and smoothly ground. So there's no
16	analyze their talc for asbestiform minerals as	16	issue.
17	part of their quality control programs, and	17	Did you close the mines?
18	talc suppliers began to sell higher purity	18	You ground the stuff up to such a
19	tales to the cosmetic industry. By 1976,	19	level that it was all it was impossible
20	asbestos analytical methodology was	20	to clearly see it. Bill Ashton, did he
21	sufficiently developed," right, "that	21	know that?
22	theCTFA could issue a specification (copy	22	Of course he had to know that. I
23	enclosed)" right, this is J4-1 "for	23	don't know that he knew that, but anyone
24	cosmetic talc. This specification required	24	who knows if you look at the specs and
1	that such talc be free of fibrous amphibole."	25	you look at the size of asbestos fibers,
	Page 263		Page 265
1	That was the requirement. "Asbestos in the	1	you're grinding it up to 10 microns,
	form of asbestiform tremolite using a CTFA	2	you're going to be grinding this stuff
3	method of analysis that is capable of detecting	3	this was all this was all premised on
4	0.5 percent of amphibole asbestos. This	4	the fact that asbestos wasn't in there;
5	specification contributed to the continued	5	and, in fact, it was just masked.
6	improvement of the cosmetic talc quality."	6	BY MR. EWALD:
7	You never had a positive test under	7	Q. Are you done now?
8	this and that protects. But the fallacy is	8	A. You have my answer. Thank you.
9	that if there's 5.5 percent5 percent, you	9	Q. Sure.
10	scratch your head. How did Dick Swanson, whose	10	THE WITNESS: Could I ask for a
11	name was Dr. Doom that was his nickname if	11	time check, please.
12	you want to know the history, right how did	12	MS. O'DELL: Yes. We've been on
13	FDA how if there's .5 percent of	13	the record for about an hour and 15
14	amphibole asbestos, how do you go and say there	14	minutes. So why don't we do you want
15	is no asbestos?	15	to take a short break?
16	There was never a reliable standard	16	THE WITNESS: No. I can keep on
17	put in place to say there was no asbestos.	17	going.
18	There's been asbestos in his product since in	18	MS. O'DELL: Suzanne, could you
19	the 1970s, and it's continued; and it's all	19	give us a time check, please?
20	been masked.	20	(Discussion held off the record.)
21	Q. Okay. And so to summarize, you	21	MR. EWALD: Let's take a break, and
22	feel like with your background, you are better	22	then finish up the last hour and 15.
100	situated on assessing the reliability of the	23	THE WITNESS: Thank you, sir, very
23		٠.	
24	analytical methods for testing talc, the presence of asbestos, than Bill Ashton, fair?	24 25	much. I appreciate it. (Whereupon, a break was taken.)

Page 266 Page 268 BY MR. EWALD: 1 it in. It's too small for me to see right now. 2 Q. Okay. Doctor, when we were about Sir, I just need to get it put in the chat. 3 Thank you very much. I appreciate to come back on the record, you indicated that 4 there was something that you wanted to clarify. 4 that. 5 Let me just see. 17147 coming up. 5 Go ahead. A. Okay. I'd just clarify, there's 6 Got it. I can read it; and yes, I have it, 6 7 a -- we need to get you -- there's a very minor 7 sir. errata sheet. There's -- I think I spelled the 8 And this is talking -- this is a word "fibers" wrong in the report, and there's Johnson & Johnson memo dated February 23rd, 10 some missed Bates numbers. There may be some 10 1978, to Windsor Minerals, Mr. Miller, 11 on certain cites. So I'm just -- for the sake 11 12 12 of completeness. It says, "As you know, Windsor 13 And I also want to make sure 13 Minerals and the baby products company have 14 that -- I think I misspoke. Obviously there already authorized the documentation of a 15 was the petition that got responded to in '86, no-detectable asbestos requirement in the 16 but then there was two petitions that got 16 Windsor 66 Talc Material Specification. In 17 responded to -- I think I was clear -- it was this regard, the testing requirement is solely 17 18 in the '94 and then in 2008, both got responded for fibrous amphibole by the CTFA method J4-1 as intended to make the specification wholly 19 to in 2014, as I think I cited in the letter; 20 but I may have misspoke. And I may have said consistent with the CTFA standard for cosmetic 21 there was one, and we were actually talking 21 grade talc. However, we need to recognize that 22 about a total of three petitions, I think, 22 Windsor Minerals and Johnson & Johnson have 23 historically. I just wanted to make sure the 23 exercised more extensive controls and testing 24 record was clear. Thanks, sir. 24 in the past than just meeting the J4-1 25 Of course. And not that it really requirement. Furthermore, we intend continuing Page 267 Page 269 1 matters that much, but I completely agree on to surpass the industry standard of testing as that point that there are three petitions that reflected by CTFA's J4-1. 3 we've talked about. And I think it was clear "During the July 15, 1977, meeting 4 in your office, we had agreed to the need of in the record, but extra clear now. 5 MS. O'DELL: John, just to follow documenting the entire audit protocol, which up on what Dr. Kessler said, I'm putting 6 has been your standard operating policy and 6 7 in the chat a short list of just typos and procedure since August 1973 and it will be 8 other, like, transposed numbers, 8 continued to be practiced by Windsor Minerals 9 et cetera, that are composed as errata for for Windsor 66 Talc." 10 his report. And so you have it there in 10 Did I read that correctly? the chat for your review. 11 11 You did. 12 BY MR. EWALD: 12 Q. Is this a document you've seen 13 Okay. Doctor, I want to jump 13 before? 14 around a little bit here the last hour or so, 14 A. I believe so. I mean, I believe 15 and I want to return to this question of what 15 I've seen this before. testing J&J did historically. Don't worry. We Okay. So it talks about for sample 16 17 will get to your slide presentation, but first 17 type ground or TM7024 --I want to show you a couple of documents. 18 18 Whoa, whoa. Wait a second. I want 19 MR. EWALD: Jake, can you please 19 to make sure where you have me now. 20 Top of the second page. drop in DX 17147. 20 O. 21 21 MR. KEESTER: Yep. A. Yeah. I'm not on the second page. 22 BY MR. EWALD: 22 That's my problem. Hold on a second. Let me

68 (Pages 266 - 269)

Okay. Ground or TM7024 biweekly

25 composite samples by Windsor flash-dried talc

23

24

get there. Yep.

Q. And, Doctor, just let me know when

Do me a favor. Can you please put

you have a chance to look on the screen --

23

24

25

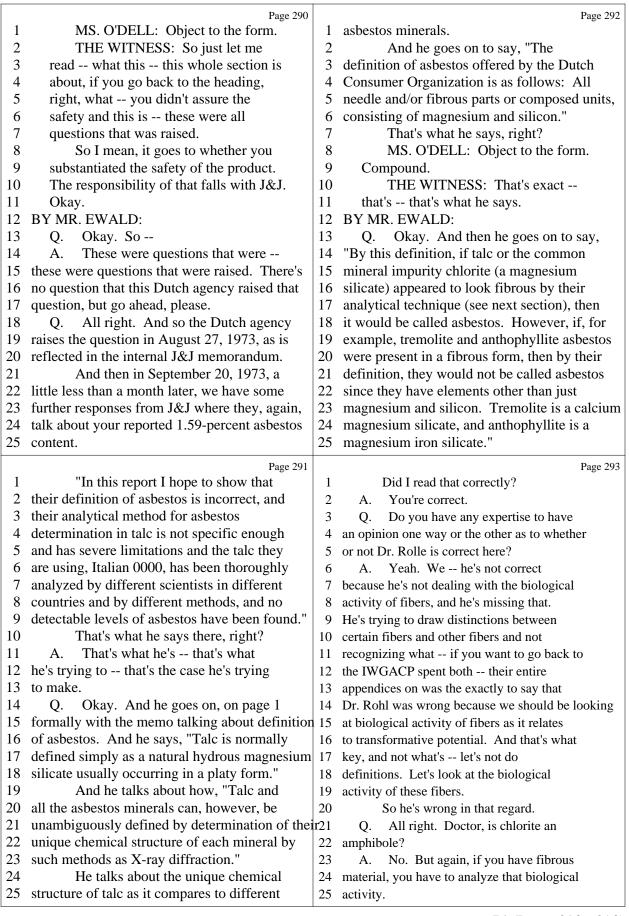
1	Page 270	1	Page 272
$\frac{1}{2}$	CTFA J4-1, TM7019, positive samples by J&J.	1	that it should be clarified exactly who
2	And it includes here in the different	2	was doing TEM at the time.
3	characteristics tests 7019.	3	We know from I know documents
4	You were complaining or you were	4	that TEM was generally certainly, Rio
5	noting that J4-1 does not apply to chrysotile.	5	Tinto and Luzenac, the documents say that
6	Are you, first, sir, aware that	6	that TEM was only beginning in the really
7	chrysotile is a form of serpentine?	7	from Rio Tinto, Luzenac, Cyprus they
8	A. Sure.	8	started in the late 1980s.
9	Q. And this talks about a test	9	I I am aware of these two
10	conducted by J&J TM7019, correct?	10	policies TM7024 and 7019. It's not clear
11	A. I'm sorry. You slurred. I didn't	11	to me when you say Johnson & Johnson
12	hear that clearly at the end.	12	did it, it's not clear who the Johnson &
13	Q. This testing method, TM7019, that's	13	Johnson actually did it and whether
14	talked about here for the serpentine form is	14	McCrone did it, right, or J&J.
15	discussed above for flash-dried talc, weekly	15	I am saying is that this was done
16	composite samples by J&J, correct?	16	in a way that really you can use
17	A. I see that well.	17	whatever word you want made the test
18	Q. Okay. And so, I guess, how does	18	very unsensitive. Again, it masked the
19	this comport with your opinion about the lack	19	presence of asbestos, right. If you have
20	of TEM testing by J&J in the '70s?	20	to show five, right, if you're detecting
21	A. Well, you certainly a couple of	21	one or two or three and I can take you
22	things. One, I mean, it's not clear to me,	22	through examples where they detected
23	actually, who I think what you said is I'm	23	asbestos, but they didn't count it.
24	not it's not clear to me who did the TEM for	24	That's absurd, right.
25	J&J. I'm not sure that they consistently did	25	And you didn't need to have that
	Page 271		Page 273
1	it in-house. Okay. I I think McCrone may	1	five rule for statistical methods. You
1 2	it in-house. Okay. I I think McCrone may have done that, but, again, I'm open to	1 2	five rule for statistical methods. You
	· · · · · · · · · · · · · · · · · · ·	l	
2	have done that, but, again, I'm open to whatever the facts are.	2	five rule for statistical methods. You know, that says that, and he publishes that was that wasn't necessary for
2 3	have done that, but, again, I'm open to	2 3	five rule for statistical methods. You know, that says that, and he publishes that was that wasn't necessary for statistical methodology, right. So you
2 3 4	have done that, but, again, I'm open to whatever the facts are. Number 2, if you look at Rio Tinto,	2 3 4	five rule for statistical methods. You know, that says that, and he publishes that was that wasn't necessary for statistical methodology, right. So you took a test that was very that was
2 3 4 5	have done that, but, again, I'm open to whatever the facts are. Number 2, if you look at Rio Tinto, the TEM really only got accepted by the Rio Tinto, Luzenac by the late 1980s and 1990s. I	2 3 4 5	five rule for statistical methods. You know, that says that, and he publishes that was that wasn't necessary for statistical methodology, right. So you
2 3 4 5 6	have done that, but, again, I'm open to whatever the facts are. Number 2, if you look at Rio Tinto, the TEM really only got accepted by the Rio	2 3 4 5 6	five rule for statistical methods. You know, that says that, and he publishes that was that wasn't necessary for statistical methodology, right. So you took a test that was very that was sensitive, and you made it insensitive by
2 3 4 5 6 7	have done that, but, again, I'm open to whatever the facts are. Number 2, if you look at Rio Tinto, the TEM really only got accepted by the Rio Tinto, Luzenac by the late 1980s and 1990s. I see this in there. This was the weekly and	2 3 4 5 6	five rule for statistical methods. You know, that says that, and he publishes that was that wasn't necessary for statistical methodology, right. So you took a test that was very that was sensitive, and you made it insensitive by the rule.
2 3 4 5 6 7 8	have done that, but, again, I'm open to whatever the facts are. Number 2, if you look at Rio Tinto, the TEM really only got accepted by the Rio Tinto, Luzenac by the late 1980s and 1990s. I see this in there. This was the weekly and biweekly composites, right.	2 3 4 5 6 7 8	five rule for statistical methods. You know, that says that, and he publishes that was that wasn't necessary for statistical methodology, right. So you took a test that was very that was sensitive, and you made it insensitive by the rule. BY MR. EWALD: Q. First of all, are you now
2 3 4 5 6 7 8 9	have done that, but, again, I'm open to whatever the facts are. Number 2, if you look at Rio Tinto, the TEM really only got accepted by the Rio Tinto, Luzenac by the late 1980s and 1990s. I see this in there. This was the weekly and biweekly composites, right. But understand, there was the it	2 3 4 5 6 7 8 9	five rule for statistical methods. You know, that says that, and he publishes that was that wasn't necessary for statistical methodology, right. So you took a test that was very that was sensitive, and you made it insensitive by the rule. BY MR. EWALD:
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2 3 4 5 6 7 8 9 10 11	have done that, but, again, I'm open to whatever the facts are. Number 2, if you look at Rio Tinto, the TEM really only got accepted by the Rio Tinto, Luzenac by the late 1980s and 1990s. I see this in there. This was the weekly and biweekly composites, right. But understand, there was the it was the five-fiber rule to this, which made this, which you see in analysis by McCrone	2 3 4 5 6 7 8 9 10 11	five rule for statistical methods. You know, that says that, and he publishes that was that wasn't necessary for statistical methodology, right. So you took a test that was very that was sensitive, and you made it insensitive by the rule. BY MR. EWALD: Q. First of all, are you now recognizing that Johnson & Johnson did TEM testing in the 1970s?
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Page 274 Page 276 you look at these policies, you only count if 1 protocols, it had this five-fiber rule. And it 2 certainly -- it didn't seem -- the mining there's five fibers. 3 companies didn't seem to be -- the producers 3 I mean, I'm giving J&J no credit 4 didn't seem to be using it to assure the safety 4 for putting in place a policy that obscures the presence of asbestos. 5 of what they were giving J&J. This was done on 5 6 these big silos and these composites material. Q. And so -- and you're saying that in That's what I know. your view, based on your review of this case, Okay. But you -- but you -- so that there was no basis to have the five-fiber your point about -- you do realize that J&J is detection limit. 10 a completely different entity than Luzenac or 10 That's your opinion? 11 IMERYS; you recognize that, right? 11 What I've read from -- in Millette 12 Certainly, sir. But under the 12 was to, again -- if you asked, again, what a 13 Federal Food Drug and Cosmetic Act, who's 13 word means, right, whether something is 14 responsible for the production of the powder? 14 detectable, if you -- no detectable -- if you go back to the first page of this, right, there 15 J&J. J&J audited the companies. 16 J&J found critical violations in companies like was no detectable asbestos. 16 17 RW -- RJ Lee. You raise that. J&J knew what 17 To me, if you detect an asbestos was going on. 18 fiber, right, and you see it and you can 19 confirm it, that's detected. To make a rule Q. But my point is that you are 20 somehow criticizing J&J for conducting its own 20 that says it has to be five, somebody came up with a theory, well, we want to probably -- we 21 TEM work? 22 MS. O'DELL: Object. 22 want to avoid a background and a statistical 23 THE WITNESS: No. We don't know 23 methodology on -- so it had to be five. 24 What Millette says is there was no 24 they were doing their own. 25 Who is this doing this for -- I basis for that, and it didn't need to be made. Page 275 Page 277 1 mean, I'm not aware that this was done 1 And to say you detect it, you don't need five 2 in-house in J&J. I can't figure out to detect it. You have a way of assuring 3 background noise through blinds. whether this was done consistently for 3 decades by J&J. I don't know that. All right. And so is this also 4 4 5 BY MR. EWALD: 5 part of a conspiracy by Johnson & Johnson to I think -institute the five-fiber rule? 6 Q. 6 7 7 I ---MS. O'DELL: Objection. Form. A. 8 -- for documents? 8 THE WITNESS: That -- that's 9 MS. O'DELL: I'm sorry, John. I 9 between you, your client, and their gods. 10 don't think he was finished. 10 BY MR. EWALD: BY MR. EWALD: Q. Do you -- is it your -- you've got 11 11 evidence, Doctor, that the five-fiber rule is 12 Finish please. 13 Yes. I'm trying to sort that out 13 something that J&J created? 14 because I've seen this. I've see a lot of 14 MS. O'DELL: Object to the form. 15 McCrone documents on TEM. 15 THE WITNESS: I can say -- saying I think it was McCrone who did this that five fibers had to be detected, 16 16 17 for J&J. Nevertheless, I mean, I'm not 17 you've got to have five to detect asbestos 18 disagreeing. I don't see quite records over and asbestos fiber doesn't make any sense. 18 19 the 50 years of -- of this. I don't see that Millette said they got rid of it, right. 19 20 database. 20 So you didn't need that. 21 Again, this is no detectable 21 I think many of these results 22 were -- I mean, if I'm correct -- were held by 22 asbestos. I mean, come on. You're an --23 McCrone and Bain from what I can tell, but I do 23 you're an excellent lawyer. You know that 24 know that when TEM was used, certainly by the 24 that word "detectable" is in there for a 25 McCrone and certainly under these policies -reason. It's in there to obscure it.

	D 270		B 200
1	right. If somebody came up with a	1	Page 280 (Whereupon, Exhibit 17, Article
2	definition, we'll decide what is	2	published in "The Microscope" in Volume 38
3	detectable. That's the game that's being	3	Fourth Quarter 1990, was marked for
4	played.	4	identification.)
5	BY MR. EWALD:	5	MR. EWALD: And Kevin Kevin
6	Q. Okay. So you talked a lot about	6	Jake, sorry. Can you please drop it in
7	Millette.	7	the chat?
8	What do know about Millette?	8	MR. KEESTER: I can, yes.
9	A. Millette was a microscopist.	9	What's the sorry.
10	Q. Okay. What else do you know about	10	MR. EWALD: It is DX-19666.
11	him?	11	MR. KEESTER: Sending now.
12	A. I mean, he's published in this	12	MR. EWALD: Thank you.
13	area, and I've read some of his articles; and	13	BY MR. EWALD:
14	he discusses the five-fiber rule.	14	Q. Doctor, let me know when you have
15	Q. And does it in your opinion, is,		it in front of you.
16	based on your study over the last year, is	16	A. Yeah. I'm just doing it.
17	Dr. Millette a well-respected microscopist?	17	I do. My copy is a little
18	A. Sure. I I was using that term,	18	different.
19	you know, in a gentlemanly way. I don't	19	Where's that paragraph?
20	know I mean, I'll put him in I have no	20	Q. Yeah. So first of all, this is
21	reason to question his wonderful nature.	21	published in "The Microscope" in 1990, correct
22	Q. Is he world class like Dr. Longo?	22	A. Correct. I have it mine's
23	What do you think?	23	formatted a little different from the one I
24	MS. O'DELL: Object to the form.	24	have, yes.
25	THE WITNESS: I take I take the	25	Q. So it's called, "A Standard TEM
	Page 279		Page 281
1	lateness of the hour, and I appreciate the	1	Procedure for Identification and Quantitation
2	sense of humor.	2	of Asbestiform Minerals in Talc," correct?
3	BY MR. EWALD:	3	A. Correct.
4	Q. Well, is it a joke?	4	Q. And amongst the co-authors is
5	Which way is it silly?	5	James R. Millette, right?
6	Silly because Dr. Longo	6	A. Correct.
6 7	Silly because Dr. Longo A. No. I think from what I can tell	6 7	-
	•	1	A. Correct.
7	A. No. I think from what I can tell	7	A. Correct.Q. Okay. And so if you scroll down
7 8	A. No. I think from what I can tell Millette was very serious and is in the	7 8	A. Correct.Q. Okay. And so if you scroll down under "standard operating procedure"
7 8 9	A. No. I think from what I can tell Millette was very serious and is in the category of Longo, and I'm not having any I	7 8 9	A. Correct. Q. Okay. And so if you scroll down under "standard operating procedure" MS. O'DELL: Doctor excuse me. Doctor THE WITNESS: What page are you on
7 8 9 10 11 12	A. No. I think from what I can tell Millette was very serious and is in the category of Longo, and I'm not having any I have no problems. I think Millette contributed to the field from everything I saw. I think he is in that category.	7 8 9 10 11 12	A. Correct. Q. Okay. And so if you scroll down under "standard operating procedure" MS. O'DELL: Doctor excuse me. Doctor THE WITNESS: What page are you on BY MR. EWALD:
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7 8 9 10 11 12 13 14 15 16 17	A. No. I think from what I can tell Millette was very serious and is in the category of Longo, and I'm not having any I have no problems. I think Millette contributed to the field from everything I saw. I think he is in that category. Q. Okay. And do you happen to know what you talked about TM7024 in that last document, right? That's the J&J's TEM method? A. Yes.	7 8 9 10 11 12 13 14 15 16	A. Correct. Q. Okay. And so if you scroll down under "standard operating procedure" MS. O'DELL: Doctor excuse me. Doctor THE WITNESS: What page are you on BY MR. EWALD: Q. I'm on page 10 carrying over to 11? A. Give me give me the page number on the bottom. Q. 463. A. 463.
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7 8 9 10 11 12 13 14 15 16 17 18	A. No. I think from what I can tell Millette was very serious and is in the category of Longo, and I'm not having any I have no problems. I think Millette contributed to the field from everything I saw. I think he is in that category. Q. Okay. And do you happen to know what you talked about TM7024 in that last document, right? That's the J&J's TEM method? A. Yes. Q. In all of your research, did you figure out where J&J got that TM7024 from?	7 8 9 10 11 12 13 14 15 16 17 18	A. Correct. Q. Okay. And so if you scroll down under "standard operating procedure" MS. O'DELL: Doctor excuse me. Doctor THE WITNESS: What page are you on BY MR. EWALD: Q. I'm on page 10 carrying over to 11? A. Give me give me the page number on the bottom. Q. 463. A. 463. Q. Section 6. A. Yeah.
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7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. No. I think from what I can tell Millette was very serious and is in the category of Longo, and I'm not having any I have no problems. I think Millette contributed to the field from everything I saw. I think he is in that category. Q. Okay. And do you happen to know what you talked about TM7024 in that last document, right? That's the J&J's TEM method? A. Yes. Q. In all of your research, did you figure out where J&J got that TM7024 from? A. He got it from Millette, I believe. Q. Okay. So Millette	7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Correct. Q. Okay. And so if you scroll down under "standard operating procedure" MS. O'DELL: Doctor excuse me. Doctor THE WITNESS: What page are you on BY MR. EWALD: Q. I'm on page 10 carrying over to 11? A. Give me give me the page number on the bottom. Q. 463. A. 463. Q. Section 6. A. Yeah. Q. "Limit of Quantifiable Detection," do you see that?
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	Page 282		Page 284
1	BY MR. EWALD:	1	page 50.
2	Q. It states, "The detection of five	2	A. 121. Okay. Thank you.
3	or more asbestos minerals of one variety in an	3	Q. And this paragraph refers to the
4	analysis constitutes a quantifiable level of	4	Dutch Consumer Organization.
5	detection." Do you see that?	5	THE WITNESS: Can I have my
6	A. Correct.	6	paragraph 121, please, in the book?
7	Q. And is that the same standard used	7	Yes, sir.
8	by J&J in the TM7024 method?	8	BY MR. EWALD:
9	A. Well, it's really this is 1990,	9	Q. All right. And does 121, the
10	right.	10	paragraph, represent the complete story on what
11	Q. Right.	11	happened with the analysis of the talc at issue
12	A. You're citing to a 1970 method.	12	here?
13	Q. Are you saying that the science	13	A. I'm pulling I'm pulling it up.
14	well, let's let's toggle. Okay. Let's look	14	The complete story? I'm happy to have you
15	at 230.3 in your report.	15	expand.
16	Do you have that one on paper in	16	Q. Well, do you do you know
17	front of you?	17	anything more than what's reflected there on
18	A. What paragraph, sir?	18	paragraph 121?
19	Q. 230.3. It's on page 102?	19	A. I know I know what I see in the
20	A. 102, thanks. Hold on a second.	20	Johnson & Johnson Dutch file by Mr. Homan.
21	230.3.	21	Q. All right. Let me show you
22	Q. Yep.	22	MR. EWALD: Jake, can you drop
23	A. And that is that year is 2015,	23 24	D-7070 into the chat, please.
24 25	right? Q. Right. It's in 2015. You quote	25	
23		23	
1	Page 283 Dr. Millette seving: "For look of better	1	Page 285 (Whereupon, Exhibit 18, Johnson &
$\begin{vmatrix} 1 \\ 2 \end{vmatrix}$	Dr. Millette saying, "For lack of better statistical information at the time in 1990,	2	Johnson document with the subject:
$\frac{2}{3}$	the publication stated rule of thumb of the	3	"Allegation made by Dutch Consumer
4	detection of five or more asbestiform minerals	4	Organization of Asbestos in our
5	of one variety in an analysis constituted a	5	Overseas Talc - Project No. 0936.00,"
6	quantifiable level of detection. Subsequent	6	dated September 20, 1973, was marked for
7	method of development in the area of TEM	7	identification.)
8	analysis for asbestos has shown that a	8	BY MR. EWALD:
9	detection of less than five fibers in the	9	Q. And when you get a chance, Doctor,
10	sample can provide a statistically valid	10	take a look at this and see if this is a
11	result."	11	document you've seen before.
12	So are you suggesting that it was a	12	A. Let me just get it out of chat and
13	method by Johnson & Johnson to mask asbestos	13	see if I remember.
14	when it was using this method in the 1970s,	14	Q. Sure.
15	'80s, '90s?	15	A. 7077?
16	A. It did as a consequence of that.	16	Q. Well, this one is DX yeah, 7070.
17	Q. And you're basing that on your	17	A. Yeah. Thanks. Give me a second.
18	expertise in mineralogy and microscopy?	18	I need to look at this a second.
19	A. No. I'm basing that on your	19	Q. Sure.
20	ability to count.	20	A. I I got it. Let me just make it
21	Q. Okay. Okay. I'll take that.	21	a little bigger.
22	Now, let's go to something else.	22	Q. So does this document look
23	Let's go to 121 in your report, page 50.	23	familiar?
24 25	A. 121?	24	A. I have to review it. I at this
100	Q. Yep. Paragraph number or	25	hour my brain is not computing fully. I'd

1	Page 286 I'd want to look at the whole thing. I think	1	Page 288 definition, they might trace asbestos again and
$\frac{1}{2}$	so. I think I've seen this, but I I'd have	2	publicize the results."
_	to I don't I'd have to	3	Did I read that correctly?
4	read the whole thing.	4	A. Yes, sir.
5	MS. O'DELL: So if you need a	5	Q. Okay.
6	minute, Doctor, take it.	6	A. I think
7	THE WITNESS: Okay. Thanks. Hold	7	Q. And by the way
8	on a second.	8	A. I I'm sorry.
9	Is it the use of the standing	9	Q. Go ahead.
10	electron microscopy issue?	10	A. I see those words in the underlying
11	BY MR. EWALD:	11	document, yes.
12	Q. Well, it depends on	12	Q. All right. Okay.
13	A. I'm sorry?	13	And so by the way, I'm not sure how
14	Q. I'll ask you questions about it.	14	much you paid attention to this. But 1.59
15	But finish reading the document, and then I'll	15	percent of asbestos, that's a pretty large
16	ask questions.	16	number relative to what, for example, Dr. Longo
17	A. Well, again, it's going to take me	17	was finding, right?
18	about five, ten minutes to read this. I think	18	MS. O'DELL: Object to the form.
19	this is the SEM issue, right?	19	THE WITNESS: Yeah. I'm not
20	Q. That's the SEM issue, yes?	20	I'm I'm not going to do math right
21	A. Right. Feel free to ask me the SEM	21	here, I mean, in a deposition. I'm not
22	question, and I'll respond.	22	prepared to answer I mean, I don't have
23	Q. Well, I also have a question about	23	an opinion on that question.
24	the definition, so just read it.	24	BY MR. EWALD:
25	A. Okay. Well	25	Q. Okay. So do you have an
	<u> </u>		Q. Shuj. 25 do jou nave un
	Page 287		Page 280
1	Page 287 MS. O'DELL: Take your time.	1	Page 289 understanding, as you sit here today, about the
1 2	MS. O'DELL: Take your time.	1 2	understanding, as you sit here today, about the
2	MS. O'DELL: Take your time. THE WITNESS: And this is what	2	understanding, as you sit here today, about the average level of asbestos by volume?
2 3	MS. O'DELL: Take your time. THE WITNESS: And this is what year?	2 3	understanding, as you sit here today, about the average level of asbestos by volume? A. No. I
2 3 4	MS. O'DELL: Take your time. THE WITNESS: And this is what year? This is what's the date of this?	2 3 4	understanding, as you sit here today, about the average level of asbestos by volume? A. No. I Q. Dr. Longo's finding?
2 3 4 5	MS. O'DELL: Take your time. THE WITNESS: And this is what year? This is what's the date of this? This is '73, right.	2 3	understanding, as you sit here today, about the average level of asbestos by volume? A. No. I Q. Dr. Longo's finding? A. No. I
2 3 4 5 6	MS. O'DELL: Take your time. THE WITNESS: And this is what year? This is what's the date of this? This is '73, right. Got it. Thank you.	2 3 4 5 6	understanding, as you sit here today, about the average level of asbestos by volume? A. No. I Q. Dr. Longo's finding? A. No. I MS. O'DELL: Object to the form.
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2 3 4 5 6 7 8	MS. O'DELL: Take your time. THE WITNESS: And this is what year? This is what's the date of this? This is '73, right. Got it. Thank you. Yeah. Do you see he's questioning the questioning of the SEM and the	2 3 4 5 6	understanding, as you sit here today, about the average level of asbestos by volume? A. No. I Q. Dr. Longo's finding? A. No. I MS. O'DELL: Object to the form. THE WITNESS: No. What I'm doing is I don't want without the
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2 3 4 5 6 7 8	MS. O'DELL: Take your time. THE WITNESS: And this is what year? This is what's the date of this? This is '73, right. Got it. Thank you. Yeah. Do you see he's questioning the questioning of the SEM and the effectiveness of SEM as a microscopy method?	2 3 4 5 6 7 8 9	understanding, as you sit here today, about the average level of asbestos by volume? A. No. I Q. Dr. Longo's finding? A. No. I MS. O'DELL: Object to the form. THE WITNESS: No. What I'm doing is I don't want without the laboratory tests that support this, I don't want to just comment on the
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Page 294 Page 296 1 1 So should I add to your expert biological activity of those fibers. 2 2 report that it's not only that J&J was And they believe that elongate 3 misbranded because of not warning of asbestos particles, right, of a certain aspect or nonasbestos form of amphibole, so should we ratio of at least 3 to 1, right, should --5 also add fibrous chlorite to that? 5 should be assessed for their biological 6 6 MS. O'DELL: Object to the form. activity. 7 7 That's what the working group has Misstates his testimony. 8 THE WITNESS: Come on, please. 8 said in all this focus on if this is 9 We're -- we're not -- you know, you're --9 asbestiform, we're going to look at this 10 10 way. We're going to look it at that way. you want to add it to what? BY MR. EWALD: 11 11 We're going to define it this way. We're 12 You said let's -- no. Hold on. 12 going to make it so specific, right. It's Q. 13 Hold on. Hold on. 13 not sensitive enough. 14 Let's look at 21, I think. No. 14 This is the point when you're 15 dealing with these sets of minerals in 15 That's too early. Let me get to the right fibrous form, and we're talking about the 16 spot. 16 17 amphiboles; and we're talking about talc. Here we go. 17 18 What paragraph? And that's what the working group is A. 18 Paragraph 67, on page 18. Let me 19 19 doing. Their focus is on elongate 20 know -- let me know when you're there? 20 particles. That was my only point. 21 21 BY MR. EWALD: A. Right. 22 So but the question is -- you O. "In my opinion, once J&J had 22 23 evidence of, A, the presence of asbestos 23 talked about the SEM issues. Isn't the because of its non-carcinogenicity and absence question that's been raised in part B is: Are 24 25 of a threshold dose or the presence of they really seeing fibers? Page 295 Page 297 non-asbestiform amphiboles or fibrous talc, the 1 Isn't that the question? safety of their product was not established." 2 It's reliability of the SEM method, A. My question to you is: Should we 3 3 right? also add fibrous chlorite to that? 4 4 Well, it goes on to say that on B, 5 A. No. "The Dutch Consumer Organization attempted to 6 Q. Okay. So you're okay with fibrous determine the asbestos content by scanning 7 chlorite? electron microscopy and X-ray energy dispersive 7 8 MS. O'DELL: Object to the form. 8 analysis." 9 THE WITNESS: I'm sorry. 9 A. Right. 10 MS. O'DELL: What is -- you know, 10 "By this combined technique, one John, what's your question? 11 11 can look at the morphology of particles" -- and 12 What's the topic here? it goes on to say, blah, blah, blah. And "One, 13 MR. EWALD: The topic is -- is that when preparing talc for scanning electron 14 your witness is now saying that fibrous microscopy (SEM) analysis, many talc platelets 15 chlorite has been identified by IWGACP as 15 lie perpendicular to the viewing plane and thus something that's harmful, and he should 16 16 from an edge-on-view look like a fiber." 17 add it to the list, right? 17 A. Right. 18 THE WITNESS: No, sir. I mean, 18 But they're not a fiber? 19 again, I apologize if I wasn't clear. 19 He's objecting to SEM, correct? 20 The -- the -- what -- the working 20 That's what Mr. Rolle is doing. 21 group was very clear. They are getting He's saying the SEM is not reliable here. 21 22 into these -- this definition of 22 Q. I think what he's saying, Doctor, 23 non-asbestiform or asbestiform has is that if you don't know what you're looking 24 obfuscated in the context of the minerals 24 at, you could be calling a talc platelet lying 25 amphiboles as well as talc, right, the perpendicular as a fiber; isn't that what he's

Page 298 Page 300 1 saying there? 1 been referring to it. This is on historical MS. O'DELL: Object to the form. 2 2 development of the framework to the IMERYS 3 THE WITNESS: What he's saying is 3 document on fiber management overview in 2011 that SEM is not a reliable method to do 4 4 on transmission electron microscopy, and it 5 that, fair? 5 says, "TEM has been used by Cyprus, Luzenac" --6 BY MR. EWALD: 6 blah, blah -- "in IMERYS personal care products 7 And what -- I'm not agreeing with Q. since 1990s. TEM was incorporated to include you one way or another. all other types in 2001. TEM gained favor in But what is your opinion on whether the 1990s as a technique with the lowest 10 or not SEM is an appropriate analytical 10 limited detection, especially in the U.S." -technique for the presence of talc? 11 blah, blah. "TEM is recognized as the best 12 Well, I know when -- I know when 12 method for chrysotile detection due to the 13 Bill Ashton went to China and wanted to invest ultimate resolution crystal structure 14 J&J's money and shift that to Vermont to use 14 determination lowest limited detection." 15 SEM. 15 I just wanted to make sure that was 16 O. Okay. Do you understand that you 16 the context of how TEM was looked at certainly 17 can use the right instrument but not know how by J&J suppliers. I am not in any way 17 to use it to analyze the matrix appropriately? questioning J&J. The documents you set out in Do you understand that's a 19 19 724, 719, they are what they are. 20 possibility? 20 But just certainly, the people who A. 21 Exactly. And if you look at Rio 21 are producing this, basically, I mean, they 22 Tinto's analysis and you look at the individual believe from this that they incorporated TEM in 23 variability between laboratories, you just hit, 23 the 1990s sort of routinely. That's my only right, another key element of why asbestos was 24 point. 25 being masked. 25 All right. So I'm going to --Q. Page 299 Page 301 1 Whenever Rio Tinto had as positive, 1 MR. EWALD: Jake, can you put in 2 they sent it to another lab. Okay. Not when 2 17.04. That 01 one. it was negative, but when it was positive. 3 BY MR. EWALD: 4 They sent it to another lab, and they knew, Doctor, let me know when you have a 4 5 right, the reliability of the other labs was 5 chance to take a look at it. 6 great variability. You can look at their own Yep. Let me just get it. Thank 6 A. assessments, right, and they did it for one 7 you for putting it in. reason. And they said it. They did it for 8 MS. O'DELL: Are you going to mark 9 9 liability reasons. They found a positive. this as an exhibit, John? 10 They send it out, right. MR. EWALD: Yes. It will be, I 10 And what you see the history of 11 11 think, Exhibit 18. 12 retesting and retesting, right. When you had a 12 MS. O'DELL: Okay. 13 positive, you retested it into a negative, 13 MR. EWALD: And for the record, 14 right. That's how you get, along with all 14 it's -- hold on. 15 these other methods, that's how you say there's 15 THE COURT REPORTER: I think this 16 no asbestos here. 16 should be 19. 17 (Discussion held off the record.) 17 MR. EWALD: Oh, really. Sorry. 18 (Whereupon, a break was taken.) 18 It's Bates Number JNJ 000404835 19 BY MR. EWALD: 19 with the date of April 13th, 1994. Subject: Update on FDA/NTP. 20 Dr. Kessler, I understand you have 20 something else you'd like to clarify. 21 (Whereupon, Exhibit 19, Memorandum 21 22 Yeah. I just want to clarify. 22 dated April 13, 1994, Bates labeled 23 You're very kind. I appreciate it. JNJ 000404835, was marked for 23 24 You should have in the chat --24 identification.) 25 we've been referring to it several times. I've 25

1	P 202		D 204
1	Page 302 BY MR. EWALD:	1	Page 304 do that.
2	Q. Do you have it in front of you,	2	MR. O'DELL: Okay.
3	Doctor?	3	THE WITNESS: Yeah. I have the
4	A. I do.	4	document.
5	Q. And this is discussing from Steven	5	BY MR. EWALD:
6	Gettings to Talc Interested Party Task Force.	6	Q. And this is from, again, Stephen
7	"We have learned the driving force	7	Gettings, dated July 1st, 1994, to the Talc
8	behind NTP's decision to analyze exposed	8	Interested Party Task Force, Meeting Summary
9	animals/human tissues for the presence of talc	9	(FDA/NTP). It talks about a June 28th, 1994,
10	is FDA.	10	delegation from CTFA.
11	"The issue has been discussed at	11	"Met with representatives of FDA
12	high level meetings at FDA between the	12	and NTP."
13	Commissioner and representatives of consumer	13	Discussed various issues relating
14	groups."	14	to talc. And if you scroll down to the first
15	Did I read that correctly?	15	bullet on the second page, it reads, "FDA
16	A. Exactly.	16	conceded that they are responding to pressure
17	Q. Does that ring any bells about	17	from within the Commissioner's Office
18	meetings that you had with representatives of	18	(particularly from the Special Assistant to the
19	consumer groups about concerns about tale?	19	Commissioner on Women's Issues and from the FDA
20	A. I have no no. I see this here.	20	Office of Public Affairs), to fully investigate
21	It doesn't ring any bells whatsoever. I'm not	21	any association between the talc and the
22 23	saying it didn't happen. Just I have no	22	etiology of ovarian cancer."
24	recollection of this whatsoever. If you have you know, I just don't see it.	23 24	Did I read that correctly? A. They are good. I mean, I'm proud
25	Q. Fair enough.		A. They are good. I mean, I'm proud of them. Now it makes sense. I think I
23		23	
1	A. I don't recall, you know. I did	1	Page 305 figured go ahead. Keep on going.
	it the issue is I mean, I always like	1	
~	it the issue is I mean, I always like	''	() Well what's what's vour
3	you it's amazing how people invoke you	2 3	Q. Well, what's what's your
3	you it's amazing how people invoke, you know commissioner meetings. I mean this is	3	revelation?
4	know, commissioner meetings. I mean, this is	3 4	revelation? A. Remember you said there were two
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5	know, commissioner meetings. I mean, this is a this is a J&J internal J&J meeting memo.	3 4	revelation? A. Remember you said there were two FDA, besides Gilbertson, at the that workshop?
4 5 6	know, commissioner meetings. I mean, this is a this is a J&J internal J&J meeting	3 4 5 6	revelation? A. Remember you said there were two FDA, besides Gilbertson, at the that
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Page 306 Page 308 1 1 responding to Ruth -- you know, Special THE WITNESS: Yeah. I'm sorry. 2 Assistant to Commissioner of Women's Health, 2 Now I just got kicked under the table. 3 3 Dr. Ruth Merkatz, and from the Office of Public BY MR. EWALD: 4 Affairs is Carol Schmenan. They were the two 4 If you wouldn't mind turning to 5 at the meeting, and they were -- yeah, they 5 187, paragraph 187 of your report, page 87. were doing their jobs. Sorry. 18--- paragraph 187? 6 7 This is an important women's issue, 7 Q. Yes. 8 and they were apparently focused on it. 8 A. Thank you, sir. 9 Okay. And after fully 9 Sure. And it carries over to 10 investigating any association between talc and 10 page 88. And it's talking about Vernon Zeitz the etiology of ovarian cancer, there's no and a handwritten letter about the Department 12 action taken during your administration at the of Health Education and Welfare contacting him 13 FDA relating to that issue, correct? 13 about a government study of Vermont talc 14 MS. O'DELL: Object to the form. 14 workers. 15 THE WITNESS: You're telling the My first question is: Have you 15 16 FDA there's no asbestos in talc. I mean, 16 ever reviewed any materials relating to a 17 I don't -- I don't believe -- I can go government study of Vermont talc workers? 17 18 back -- I'm happy to ask Ms. Schmenan and I -- I have -- yes. 18 19 19 Dr. Merkatz whether they were aware in Q. Okay. 20 1994, right, that there was asbestos in 20 I mean, in my late nights and early 21 talc of the -- of the evidentiary record. 21 mornings in front of relativity, I found myself 22 I was not. I didn't -- you know, I maybe, you know, a while back, I mean, in some 23 certainly didn't understand those issues. 23 of those documents; but it's a blur right now. 24 So, you know, when you say 24 All right. And so --O. 25 "investigating," I don't -- I mean, 25 Α. This was -- was this -- this was an Page 309 1 maybe -- you know, I can't -- you'd have 1 NIH study if I'm correct. to ask them whether they understood at 2 2 Q. And so the -- you have a quote here 3 that time the evidence was what we see from Vernon Zeitz in, say, the late '70s. And 4 it talks about, amongst other things, your 4 now. legions, "If we are to be those legions, it is 5 BY MR. EWALD: As you sit here today, you don't 6 imperative we overcome the inertia of our past 6 know what they knew one way or another, right? to modernize and mobilize our defenses and 8 I can't tell you what was in -- but offenses so we enter into battle with the 9 it makes a lot of sense that Dr. Merkatz and outcome assured," right? 10 Ms. Schmenan were attending these meetings. 10 That's what it says. 11 And if they were looking for certain studies to Right. And when you take that 11 12 be done, then the agency, you know, they were 12 letter and, say, in paragraph 188, "In my 13 doing their jobs. 13 opinion, J&J decided in 1970s to aggressively 14 O. Okay. On --14 defend its product. That strategy kept their 15 Do you have other -- do you have product in the market for 50 years but put the 16 other documents? I would love to see maybe to public's health at risk. It may not have been 16 17 clarify. 17 that way if J&J was willing to bear any You're the one that's coming off of additional cost in reformulating the product." 18 18 That's what you write, right? 19 19 seven hours so... 20 That's what I write. 20 I might have more to show you. A. A. I'm happy to come to Brooklyn. 21 21 And are you suggesting in a Vernon 22 Q. Just look at, if you wouldn't 22 Zeitz's letter in the late 1970s was 23 internalized and held forth in the company over 23 mind --

MS. O'DELL: Object to the form.

24

25

the ensuing 50 years?

MS. O'DELL: That was an

unauthorized statement.

24

25

Page 312 Page 310 THE WITNESS: No. I -- I am not. 1 think every aspect of that sentence is -- you 1 2 2 know, I don't know how you -- tell me what you but I do have the impression that -- no, 3 dispute in that sentence or sentences. I'm not -- I'm not implicating Mr. Zeitz. 3 4 I'm responsible for my -- my opinion 4 Well, again, I know it's been a there. I mean, this is the totality of long day, but I still don't have to answer your 5 5 the picture that I see. questions. 6 6 BY MR. EWALD: 7 My question to you, then, is: 8 Okay. And you say that they put 8 Throughout the day you've returned to this idea the public health at risk because they weren't that J&J intentionally used test methods to mask the presence of asbestos. willing to bear any additional costs to 10 10 11 reformulate the product. 11 How is there any way to understand 12 That's what you write, right? that conclusion other than that J&J knowingly 12 13 A. Yeah. I think "additional" may not put baby powder and other talc products on the 13 14 be the most artful word. I mean, there was -market that has asbestos in it? they didn't -- they didn't go -- you know, they 15 MS. O'DELL: Object to the form. 16 obviously didn't go to corn starch. There was THE WITNESS: So I -- there's 16 17 a price differential there. That's all I mean. 17 nothing I'm the talking about intent here. 18 Okay. And so is it the opinion 18 19 that you're offering to a reasonable degree of 19 What I think -- and I'm very 20 certainty that J&J knew its product contained 20 serious about this. You may not 21 asbestos, knew that it put the public at risk, understand that for anyone listening on 21 22 but just decided to sell it anyway; that's your 22 this phone, right. 23 view? 23 I think if you look at the 24 evidence, okay, and you just look 24 A. No. I'm -- I am -- you're using 25 the word "knew," okay. I'm not going to use 25 objectively at the evidence -- and I don't Page 313 the word -- I don't use the word "knew" there. 1 think people are focused on this -- I 2 mean, and again, I'm still learning, 2 Okay. Let's take --Q. I'm not --3 3 right. I mean, and there's still -- you 4 know, there's still much to understand, 4 Let's take it out of the subjective intent. It depends how you use the word 5 right. "knew." J&J knew. J&J decided. 6 But at every stage, just processing 7 it is going to mask it. The way it was 7 I mean, there was -- I don't think there's any question -- you tell me if I'm 8 tested, we spent -- you didn't ask me wrong -- aggressively defended its product, 9 anything about putting it through a 325 10 right. I mean, that has been the strategy for 10 mesh, right. 325 mesh you're going to 11 50 years, right. diminish the pickup, right. I mean, at 11 every stage here, right, you decrease the 12 That strategy kept the -- their --12 13 their product on the market for 50 years. 13 chances of picking up asbestos, right. 14 There's a strategy to switch to corn starch. What people intended, that's not my 14 15 That strategy put the public health at risk. I 15 job. Okay. But a reasonable -- let me 16 don't think there's any question about that. just finish. 16 You look at the epidemiological 17 17 A reasonable and sophisticated 18 studies. There is a small statistically company, right, when you look at the 18 significant public health need. 19 grinding and the crushing and the milling, 19 20 It may not be that way. It didn't 20 when you look at the passing it through 21 have to be that way. J&J could have gone to 21 these sieves, you look at the sensitivity, corn starch and reformulated its product. you look at the five-counting rule, you 22 22

look at the retesting, you know, it -- you

see -- certainly J&J documents say, you

know, TEM, too sensitive. Can't use it.

23

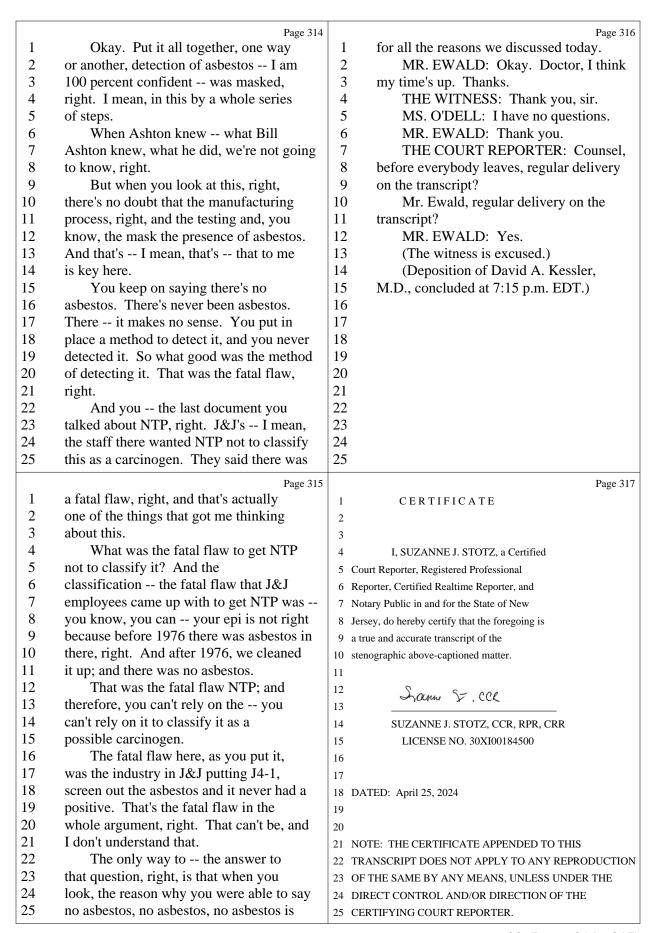
24

23

I don't see how you can disagree

25 nothing to do with Johnson & Johnson knew. I 25

24 with anything in that statement. It has



[& - 17147] Page 1

0 _	000405228 6:8	102 282:19,20	145 191:2 192:6
&	160:17	102 282.19,20 11 5:18 10:17	145 191.2 192.0 146 195:20
& 1:3 2:10 3:4	01 301:2	152:18 153:11	140 193.20 147 196:1
3:9,16,22 5:18	030 5:11 141:5	155:3 159:4	15 4:14 6:17
6:21 7:6,11	07932 3:24	281:13	9:21 21:23
24:3 32:16	07932 3.24 0936.00 7:14	11/1/72 188:16	
66:12 81:19	285:5	11/1//2 188.10 110 183:12	31:17,20 67:8 67:18 102:12
85:25 86:8		110 183.12 114 184:1	
116:5,16	1		102:17 112:17
153:11 155:13	1 4:11,18 6:19	115 184:2,21,23	171:7 240:3,8
203:5 240:6,12	7:19 14:2,3	186:4,7,8	265:13,22
241:4,22 250:2	48:13,15 193:6	1185 3:18	269:3
268:9,22	193:8,11 240:4	12 6:5 46:16	151 196:1
272:11,12	240:10 241:20	81:8,14 160:13	153 5:18
273:10,13	291:14 296:4	160:14	154 190:10,13
277:5 283:13	303:19	121 283:23,24	191:24 193:1
284:20 285:1	1,000 50:22	284:2,6,9,18	193:15 197:15
287:20 311:25	1,250 53:17	287:15	154a 192:18
0	1.59 287:19	12203 317:12	157 190:12
0.5 263:4	288:14 289:11	125 161:15	15th 15:2,9,20
0.5 203:4 0000 291:6	290:24	13 6:9 7:17 81:8	16 4:16 7:5
0000 291:0 000000438 5:21	1/2 10:17	205:2 211:22	21:25 45:14,18
	10 5:12 67:8	301:22	143:23 249:19
153:14	110:19 141:18	139 117:7,23	249:22 250:1
000000439	142:1 145:11	13th 212:3	16-2738 1:2
155:4	162:19 265:1	301:19	160 6:5
000000441 5:22	281:13	14 4:11 6:13	17 6:12,13 7:8
153:15	10.9 62:10	62:11 110:24	9:16 32:9
000016687 7:19	10/7/76 160:8	163:24 164:1,2	104:10 205:5
303:17,20	100 161:14	164:14,15,17	221:18 226:1
000016688 7:20	314:3	165:6,22,22	279:23 280:1
303:20	10036 3:18	166:2 221:13	17.007. 303:14
000404835 7:17	101 50:22	221:17 223:17	17.04. 248:22
301:18,23	101,364.91.	141 5:8	301:2
000405219 6:7	50:18	142 5:12	17147 267:20
160:17	30.10	144 208:2	268:5

[17a - 2016] Page 2

17a 186:12	129:6 269:7	217:17,20	2000 257:8
17th 212:2	285:6 287:16	220:8,11,25	2001 3:11 126:1
223:22	290:19,21	221:13,18	300:8
18 7:11 31:4	1975 225:16	223:17,22	2008 212:3
113:7 124:4	1976 58:11,21	226:7,25	266:18
285:1 294:19	111:2 235:8	227:12 228:18	2009 176:18
301:11 308:6	262:19 315:9	229:8,18,22	177:16
1825 8:18	315:10	230:20 231:10	2010 124:17,19
1835 2:21	1977 127:8	233:6 234:23	125:4 126:5,13
187 308:5,5,6	269:3	235:4 239:11	128:4,8 130:3
188 309:12	1978 268:10	240:4,10	131:23 141:15
18a 186:12	1980s 271:6	241:21 243:20	193:7
19 7:16 301:16	272:8 273:17	301:19,22	2011 300:3
301:21	273:22	303:19 304:7,9	2012 124:19
19103 2:21 3:11	1982 194:14	306:20	125:10,11,12
1960s 224:4	225:22	1995 241:18	125:14 126:4
251:18	1983 251:11	246:7	127:14,15
1961 224:12	1986 7:7 249:6	1997 215:10,13	128:1 129:5,25
19666 280:10	249:24 250:3	220:13 237:11	130:3,4 193:7,9
1968 225:5	253:14	19th 17:6,10	2013 21:6
1970 229:9,22	1988 216:4	18:12 21:11	2014 84:23 85:1
282:12	235:6 238:14	1st 50:17 51:2	190:22 191:9
1970s 236:1,13	238:15	51:21 82:22	191:13 192:5
251:18 252:8	1990 7:10	210:12,25	203:23 207:25
253:1,5,21	215:10,12	304:7	208:11,11,22
254:15 255:19	220:2 237:11	2	210:5,12,14,24
256:18 258:12	279:24 280:3	2 4:12 31:15,18	211:6,25
259:11,20,24	280:21 282:9	96:24 271:4	217:20 220:9
263:19 273:11	283:2	2.1 155:13	237:20 238:5
283:14 309:13	1990s 271:6	20 7:15,18 9:21	266:19
309:22	300:7,9,23	67:1 136:9	2015 282:23,25
1971 225:16	1992 216:5	176:6 185:10	2016 46:3,11,25
1972 112:8	1994 6:12,13,19	217:20 285:6	71:8,8 73:12,19
115:17,21	7:17,19 205:6	290:21 303:16	74:21 79:3,16
1973 7:15 63:8	212:2,24	303:18	80:16 91:1,8
123:3,22 126:1	213:19 216:21	303.10	111:2 211:10

[**2017 - 55**] Page 3

2017 46:18,25	215 2:22 3:12	2:30 189:17	46 182:12
2018 4:16,18	218 2:6	2b 193:5,7,11	463 281:16,17
14:9 31:2 45:15	22 9:15 30:22	3	48 4:17
45:18 46:14,23	31:14,24 38:17	3 4:15 45:10,14	4900 2:11
47:1 48:13,15	42:24 118:19	45:16 99:23	5
50:17 51:3,4,22	221 6:13	103:11,18,20	5 4:19 64:14,22
2018-2019	22311 2:11	, ,	· · · · · · · · · · · · · · · · · · ·
158:22	23 143:15,25	104:18,21,21	190:4 193:14
2019 232:18	230-2343 3:6	104:24 105:8	203:3,22
233:2	230.3 282:15	251:8 296:4	206:11 263:9
2019-02 178:16	230.3. 282:19	30 225:4	263:13
2020 15:24,24	282:21	300 54:4 57:4,6	5.5 263:9
16:9,10 139:22	2318 5:11,11	301 7:16	50 45:1 61:15
142:18	141:4,5,8	303 7:18	85:13 93:8,8
2021 139:20	23rd 268:9	30xi00184500	108:25 109:17
140:11 141:19	24 144:1,3	1:11 317:15	109:23 111:2,5
145:11	240 6:17	31 4:12 41:6,6,7	111:21 119:4
2023 4:14 15:3	25 9:15,17 62:2	41:7,12,13	122:5 125:3
15:9,20 17:6,10	80:23 81:2	231:4 241:20	126:3 127:22
18:12,20 21:11	143:4 145:10	316 2:16	128:2,6 129:23
24:16 25:21	317:18	325 62:14	133:18 136:17
30:18 31:17,20	250 7:5	110:20 313:9	148:2 152:4
55:4 57:19	25th 243:19	313:10	158:5,8,11
80:20 81:3 82:3	26 99:4 171:4	32502 2:16	173:22 201:6
83:23 85:5	27 124:4 290:19	34th 3:18	201:11 206:3,6
102:12,17	27 124.4 230.13	361 115:2	207:22 237:4
104:10 105:9	278-4449 2:22	36104 2:6	275:19 283:23
2024 1:13 82:22	276-449 2.22 27th 287:15	364.91 50:23	284:1 309:15
233:3 317:18	280 7:8 126:16	38 7:9 280:2	309:24 311:11
318:22	126:24 141:12	4	311:13
205 6:9 250:25	141:15	4 4:17 48:11,14	500 54:2
	285 7:11	219:1 225:24	506 258:21
21 115:1,2 225:13 233:9	28th 304:9	40 45:1 92:6	260:11
	2900 2:21 3:11	435-7000 2:17	549-7000 3:24
294:14		45 4:15	55 212:7,13
212 3:19	2:26 189:14	T.13	

[550 - accomplish]

550 55:3	719 300:19	8179 152:19	9:09 1:14
556-2100 3:19	72 116:1	82 4:21,22	a
567-3500 3:12	7214 251:7	198:25	a.m. 1:14
58 190:5 193:15	724 300:19	83 5:6 171:6	abandoned
59 212:6,11	73 112:8 125:11	198:25	264:13
220:18	127:15,15	83.15 171:4	ability 48:23
6	128:1 129:25	172:20	112:3 147:9
6 4:21 82:6,7	130:3 287:5	830 135:23	179:7 203:11
281:18	740.10 115:1	84 83:14	283:20
600 3:5,23	233:9	844 2:12	able 102:3
17:15	77 164:25	8441 3:5	110:25 131:8
60s 257:7	165:18	850 2:17 54:11	146:12 147:23
64 4:19	77017 3:6	254:8	151:2 188:2
650 2:11	78 118:19	86 218:15,19,20	189:16 224:21
656 17:21	123:15,21	218:24,25	258:24 260:20
66 155:9 268:16	125:7	219:23 238:18	315:24
269:9	79 119:8,9	238:20,24	above 1:9 81:5
67 113:7,10	125:7	254:19 266:15	102:10 212:16
190:11,13	79.1 122:25	87 308:5	270:15 317:10
294:19	132:14 154:25	88 217:23 218:5	
	159:15	248:21 308:10	abramson 3:5
680-0339 2:12	79.1. 123:20	898-2034 2:7	absence 113:14 294:24
7	7:15 316:15	9	
7 4:22 62:11	8		absolute 109:23
82:16,17		9 5:8 108:6	absolutely 37:5
7019 270:3	8 1:13 4:5 5:6	140:20 141:1	163:24 232:1
272:10	10:17 15:25	141:17 162:19	238:22
7070 284:23	16:2 82:23 83:1	90 167:8	abstract 36:23
285:16	83:12 94:9	9017.007. 249:1	absurd 272:24
7077 285:15	251:11	90s 158:6	accepted 44:5
70s 194:11	80 169:3	229:12 257:7	271:5 273:17
195:2 229:12	800 2:7 54:18	283:15	access 60:12,13
257:7,16	80s 158:6 167:8	93 5:16 142:5	60:14 86:11
270:20 309:3	199:2 220:6	94 266:18	87:4
713 3:6	229:12 230:5	973 3:24	accomplish
	257:7 283:15		50:12

[account - agreement]

			I
account 173:18	104:9 110:7	241:5,23	201:10 205:11
accuracy	131:6 150:22	306:12	211:1 230:9
289:23	156:9 159:17	administratio	236:9 238:4,5
accurate 41:16	169:3 184:1	7:6 250:2	251:17 252:11
147:3 208:22	204:15 233:24	administrative	254:19 258:24
221:3 317:9	255:1 257:19	181:12 216:13	290:16,18
accurately	266:21 270:23	admitted 87:20	307:12
209:16	272:13 315:1	adulterant	agency's
acknowledged	add 15:20 57:1	116:16	236:12
287:16	95:24 294:1,5	adulterated	agents 73:25
acknowledges	294:10 295:4	115:10,24	aggressively
191:14 192:11	295:17	116:22 117:18	309:13 311:9
acknowledging	added 53:23	118:4,17 232:6	ago 25:10 27:4
190:23	94:15 95:21	232:8,11,24	220:18
act 43:14	125:22	adulteration	agree 33:14,25
138:11 146:11	adding 163:13	117:24 118:2	44:2 83:17
147:13 196:25	205:20	232:14	127:9,11,13
228:23 274:13	addition 19:19	advanced	128:25 131:2
actinolite	additional 60:5	145:13	131:22 132:2
125:23 127:6	60:7 309:18	advisor 16:9,11	132:23 133:3,5
128:22 159:11	310:10,13	16:25	133:9 144:18
action 192:19	address 32:3	affairs 219:14	144:23 145:7
306:12	43:3 64:2	219:21 304:20	145:18 146:24
actions 262:15	addressed	306:4	147:3 161:23
activities 18:13	212:19 215:17	affect 27:23	168:2 180:10
activity 152:3,6	220:19 221:11	afraid 221:24	188:10 206:12
236:25 293:8	adequacy	250:19	208:21 209:13
293:15,19,25	255:17	agencies 40:21	256:14,18
296:1,6	adequate 62:23	44:25 84:20	267:1
actual 30:10	adjacent 59:11	107:22 151:2	agreed 20:13
121:22 180:23	adjective 57:1	197:23	46:8 189:14
209:22	adjectives	agency 5:13	269:4
actually 10:8	196:6	58:13,19 77:13	agreeing 298:7
52:18 65:3	adjust 222:1	111:1 112:11	agreement
	aajast 222.1		
67:18 88:18	administration	124:8 142:2	252:16 253:9

[agrees - apologies]

		I
american 166:2	297:8,14	234:3,5,10,13
166:15 167:3	298:22	234:19,23
americas 3:18	analytical	238:10 256:5
amosite 159:9	176:17 177:15	256:23 258:9
amount 42:22	252:13,15,19	258:14 260:5
50:18 181:11	253:6,8 255:11	261:20,22
amounts	255:12 257:21	262:9,10 265:8
251:22 252:2	258:11,24	288:22 312:5
252:10	259:22 262:20	315:22
amphibole 6:6	263:24 273:15	answered 129:3
72:16 159:9	291:3 292:17	132:4 220:7,9
160:3,15	298:10	answering
161:25 162:6,9	analyze 262:16	201:3
163:2,6 262:25	293:24 298:18	answers 57:14
263:4,14	302:8	58:2 60:23,25
268:18 293:22	analyzed	anthophyllite
294:4	287:17 291:7	127:7 128:22
amphiboles	analyzing	159:10 171:22
72:12 113:16	287:23	292:19,24
114:3,4 116:4	animal 196:21	anticipated
116:10,15	animals 226:11	172:8
117:10,19	226:14 302:9	antitrust 23:19
295:1,25	answer 13:9	23:22
296:17	17:13,16,17	antivirals 17:22
amphophile	24:6,6 36:17	anybody 56:8
125:20,23	37:25 38:16	anymore 177:8
129:21 144:17	60:3,12 61:1,20	anything's
ample 162:5	71:4 73:10	12:12
analysis 40:8,9	78:20 85:21	anyway 26:25
40:14,19,25	95:13 110:12	68:11 121:8
41:1,22 42:2,3	114:16 117:20	172:17 234:3
44:13 150:2	128:17 148:16	310:22
158:16 192:18	148:18,24	apart 20:17
263:3 271:11	156:4 188:6,14	47:22 48:4
273:21 282:4	194:18 204:4	apologies
283:5,8 284:11	206:16 211:7	141:17
	americas 3:18 amosite 159:9 amount 42:22 50:18 181:11 amounts 251:22 252:2 252:10 amphibole 6:6 72:16 159:9 160:3,15 161:25 162:6,9 163:2,6 262:25 263:4,14 268:18 293:22 294:4 amphiboles 72:12 113:16 114:3,4 116:4 116:10,15 117:10,19 295:1,25 296:17 amphophile 125:20,23 129:21 144:17 ample 162:5 analysis 40:8,9 40:14,19,25 41:1,22 42:2,3 44:13 150:2 158:16 192:18 263:3 271:11 273:21 282:4	166:15 167:3298:22americas3:18amosite159:9amount42:2250:18 181:11253:6,8 255:11amounts255:12 257:21251:22 252:2258:11,24252:10259:22 262:20amphibole6:672:16 159:9263:24 273:15160:3,15298:10161:25 162:6,9analyze163:2,6 262:25293:24 298:18263:4,14302:8268:18 293:22294:4294:4287:17 291:7amphiboles287:2372:12 113:16animal114:3,4 116:4animal116:10,15animals117:10,19226:14 302:9295:1,25answer296:17animals226:14 302:9answer125:20,2317:13,16,1724:6,6 36:1737:25 38:1660:3,12 61:1,2071:4 73:1078:20 85:2195:13 110:1214:1,22 42:2,314:16 117:2044:13 150:2128:17 148:16158:16 192:18148:18,24263:3 271:11156:4 188:6,14273:21 282:4194:18 204:4

[apologize - asbestiform]

	I	T	
apologize 24:18	application	approximately	243:10,14,21
27:16 28:14	226:12 242:21	24:14 27:4	243:25 244:10
30:12,13 42:23	applied 146:14	29:23 45:22	244:13,17,17
65:14 68:17	applies 32:20	46:17 51:22	244:21 245:15
70:22 74:4,25	47:6 146:22	55:3 57:4 80:20	245:18 246:2
95:12 117:23	apply 73:25	92:24	246:20,25
143:25 150:20	112:6 208:23	approximation	247:2,4,6,8,17
156:18 157:2	270:5 317:22	24:24	248:5,8,13
169:14 175:5	appreciate	april 1:13 7:16	259:6 260:4,8
191:25 206:18	11:20 17:2	30:5 82:22	260:14,20
208:8 212:9	40:12 54:24	210:12,25	279:24 280:1
295:19	66:15 108:11	301:19,22	281:24
apparent 95:22	117:4 118:14	317:18	article's 246:6
apparently	121:21,24	arbitrator	articles 278:13
289:22 305:22	131:9 200:6	188:12	asbestiform 6:6
306:8	232:2 238:22	arcane 209:5	44:6 70:14,16
appeared	259:3 265:24	228:22	70:18 71:2
292:16	268:3 279:1	archives 213:24	72:12 110:16
appears 65:10	299:23	area 20:12 50:2	113:16 114:2,4
145:10	appreciation	133:22 224:15	116:4,10,15
appended	79:22	278:13 283:7	117:10,19
317:21	approached	areas 76:9,14	124:20 125:15
appendices	46:4	92:21 93:12	126:21 127:6
14:13 139:23	appropriate	137:12 179:8	128:14,22
142:11,16,17	98:24 114:23	181:4	129:14,18
143:15 293:13	114:24 127:19	argument	130:7,13,24
appendix 4:23	128:9 133:20	134:13 315:20	131:1,25 132:1
5:6 13:24 14:8	134:10 150:11	arises 50:22	132:17,25
81:25 82:3,12	208:18 209:24	arising 213:4	133:2,8,12,15
82:18,21 83:2	230:16 234:20	arkansas 71:23	133:21 134:10
94:9	298:10	arose 56:21	135:7,14,25
applaud 150:22	appropriated	arrived 69:5	136:2,10,21
152:6	233:10	art 193:4	137:7,17,21
apple 89:5	appropriately	artful 310:14	138:2,14 139:2
applicable	133:16 298:18	article 7:8 40:6	143:7 144:9,19
156:4		225:9,17	145:9 146:6
	1	1	l

[asbestiform - asking]

L	91		\mathcal{E}
147:2,11 148:4	125:16,17,22	253:25 256:16	261:6,10,11,17
149:5 150:10	127:2,4,20	258:22 259:20	263:25 264:20
151:15,15,16	128:9,20	259:25 260:12	298:13 314:6,7
151:17 160:2	131:20 132:15	261:3 262:20	aside 96:16
160:15 161:25	133:14,20	263:1,4,14,15	202:25 206:5
162:6 163:2,15	134:17,18,19	263:17,18,25	219:5 237:1
172:18 193:10	134:21 135:3,5	264:11,25	asked 27:21,25
251:19,22,25	138:4 140:12	265:4 268:15	28:2,19,19 32:3
252:2,18	141:3 145:23	272:19,23	38:19 43:2
253:11 255:15	147:18 148:4	276:5,16,17	53:25 67:13
258:25 262:16	150:10 155:1	277:17,18,22	80:22 86:11
263:2 281:2	155:14 158:17	282:3 283:8,13	87:3 91:2,4,5,6
283:4 295:1,23	159:5,6 164:7	285:4 287:18	91:7 94:1 98:8
295:23 296:9	165:10 169:21	287:21,24	98:18 99:11
asbestos 5:9	176:8 177:19	288:1,15 289:2	101:10,24,25
7:13 40:23 44:3	179:8 188:18	290:24 291:2,3	102:25 104:15
44:5 45:4 58:16	193:9,11 201:7	291:9,16,20	105:8 122:12
59:4,15,24,25	201:12,13,17	292:1,3,18,19	132:4 134:16
61:8,17,22	201:24 202:2,4	292:21 294:3	183:12 184:15
63:10,11,13,13	202:4,6,9,9,10	294:23 297:6	217:12 227:10
67:15 69:21,22	202:17,21	298:24 299:16	247:12 249:8
70:7 71:6,19,24	203:1,5 206:3,8	306:16,20	260:3 276:12
72:2,7 73:4	206:9,14	310:21 312:10	asking 23:11
74:8,16,23	207:17,18,23	312:14 313:13	85:20 98:22
78:13,17 79:19	224:14,20	314:2,12,16,16	105:7 116:25
90:21 109:1,5	229:14,19,21	315:9,11,18,25	118:1 129:13
110:16 111:1,5	230:7,9 232:4	315:25,25	134:17 144:8
111:21 112:9	232:15,19,25	ascribe 136:4	149:19 205:22
113:13,22,25	233:1,17 235:1	137:5	206:10 208:5
114:9 115:9	235:5,10,11,18	ascribed 115:19	226:9,13,20
118:23,24,25	235:23 236:9	137:23	227:5,10
119:5,7 122:6	236:16,17	ashcraft 2:10	228:10 231:19
122:11,13,15	237:5,13,17,22	ashcraftlaw.c	231:20,21,23
122:17,21	239:5 251:12	2:12	233:4 247:21
123:2,16,22,25	251:15 252:14	ashton 174:19	250:21 256:2
124:5,20 125:4	252:25 253:7	260:15,19	258:3,4,7

[aspect - baby] Page 9

			T
aspect 109:9	association	attempt 78:12	255:18
296:3 312:1	61:7 205:14	attempted	avenue 3:18
aspects 76:21	241:24 304:21	88:16,16 89:1	average 72:24
242:6	306:10	297:5	79:25,25 289:2
aspersions	assume 46:5	attending 21:5	avoid 179:7
261:16	51:24 52:7	307:10	276:22
aspiration	92:20 93:10,13	attention 27:24	avoiding
183:6	233:22	108:10 230:3	236:14
assembled	assuming 28:24	288:14	aware 8:19
185:8	37:20	attorney 46:6	12:7 13:3 15:5
assertion 87:24	assumption	100:19	15:6,7 16:16
assess 258:25	35:5,6 106:16	attorneys 2:2	22:15 23:6
289:23	assumptions	3:3,15	32:10 36:12
assessed 296:5	34:9,16 35:19	audit 269:5	37:20 42:14,16
assessing	35:25 36:4,6,12	audited 274:15	62:4 70:5 71:18
263:23	36:19,21,25	audits 38:10	72:1 74:7 79:11
assessment	37:3 106:15	180:22	95:3 105:17
186:2 257:18	assurance	august 269:7	186:17,21
258:17 259:24	166:15	287:15 290:19	210:13,23,24
assessments	assurances	authored	210:24 211:2,5
299:7	58:23	260:15	211:9,24 214:1
assigned 217:3	assure 11:17	authority	217:9 219:24
assist 20:23	58:16 203:18	217:10,16	219:25 220:24
21:1 48:7	229:20 248:9	260:12	244:21 251:17
assistance	274:4 290:5	authorization	270:6 272:9
47:10,18,19	assured 58:22	5:19 153:13	273:13 275:1
48:4 217:12	202:22 207:5	155:5	306:19
assistant	229:10 235:9	authorized	b
304:18 306:2	309:9	268:14	
associated	assures 59:3	authors 281:4	b 4:8 5:3 6:3
59:11 144:11	239:2	available 33:1	7:3 113:15 114:2 296:24
169:20 172:14	assuring 277:2	81:15,19	297:4
208:19 230:17	attached 7:23	102:18,23	babramson 3:7
230:23 231:15	9:12,17 10:11	193:16 242:2	
233:11	98:15	246:6 247:16	baby 22:22
		248:5 255:5,8	35:14 39:3,7
L	1		I

[baby - believes]

130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14				
back 16:5,11 111:8 230:4 151:25 202:11 began 46:18 17:3 18:6,6 263:22 264:4 206:6 229:6 115:14 262:15 22:14 23:8 276:22 277:3 245:18 254:8 262:18 26:15 27:1 31:2 backgrounds 300:21 beginning 35:21 38:17 150:24 basing 85:9 85:4 87:14 45:8 50:11 backwards 194:17 283:17 272:6 273:22 60:22 63:8 bacterial 77:21 bain 275:23 basis 44:15,22 begun 273:16 97:11,14 ballpark 54:7 ballpark 54:7 129:12,16 belief 318:4 100:22 106:1,2 118:18 122:2 28:12 30:10 253:13 261:4 22:20 23:1 24:5 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 97:12,25 99:3 159:17 160:7 base 85:17 batcs 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 190:3 191:13 54:10 84:16,17 141:4 153:14 135:13 138:13	268:13 287:18	background	146:12	becoming
17:3 18:6,6 263:22 264:4 206:6 229:6 115:14 262:15 22:14 23:8 276:22 277:3 245:18 254:8 262:18 26:15 27:1 31:2 backgrounds 300:21 beginning 35:21 38:17 150:24 basics 165:13 52:10 62:24 42:22,23 43:9 backlog 220:4 basing 85:9 85:4 87:14 45:8 50:11 backwards 194:17 283:17 115:17,21 54:21 58:4 30:1 283:19 272:6 273:22 60:22 63:8 bacterial 77:21 basis 44:15,22 begun 273:16 97:11,14 ballpark 54:7 192:22,12,16 believ 8:18 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 189:18,19 112:15 113:24 168:5,19 155:19 158:21 20:9:	312:13	79:9 90:14	basically 58:13	273:16,20
22:14 23:8 276:22 277:3 245:18 254:8 262:18 26:15 27:1 31:2 backgrounds 300:21 beginning 35:21 38:17 150:24 basics 165:13 52:10 62:24 42:22,23 43:9 backlog 220:4 basing 85:9 85:4 87:14 45:8 50:11 backwards 194:17 283:17 115:17,21 54:21 58:4 30:1 283:19 272:6 273:22 60:22 63:8 bacterial 77:21 basis 44:15,22 begun 273:16 73:21 91:1 94:5 bain 275:23 105:22 129:10 belief 318:4 97:11,14 ballpark 54:7 129:12,16 belief 318:4 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19	back 16:5,11	111:8 230:4	151:25 202:11	began 46:18
26:15 27:1 31:2 backgrounds 300:21 beginning 35:21 38:17 150:24 basics 165:13 52:10 62:24 42:22,23 43:9 backlog 220:4 basing 85:9 85:4 87:14 45:8 50:11 backwards 194:17 283:17 272:6 273:22 60:22 63:8 bacterial 77:21 basis 44:15,22 begun 273:16 73:21 91:1 94:5 bain 275:23 105:22 129:10 belief 318:4 97:11,14 ballpark 54:7 129:12,16 belief 318:4 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 190:3 191:13 54:10 84:16,17 141:4 153:14 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:12 193:2 266:10 301:18	17:3 18:6,6	263:22 264:4	206:6 229:6	115:14 262:15
35:21 38:17 150:24 basics 165:13 52:10 62:24 42:22,23 43:9 backlog 220:4 basing 85:9 85:4 87:14 45:8 50:11 backwards 194:17 283:17 272:6 273:22 60:22 63:8 bacterial 77:21 basis 44:15,22 begun 273:16 73:21 91:1 94:5 bain 275:23 105:22 129:10 belief 318:4 97:11,14 ballpark 54:7 bankruptcy 192:25 248:3 11:8,17 21:4 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 118:18 122:2 28:12 30:10 253:13 261:4 22:20 23:1 24:5 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 17:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 <td>22:14 23:8</td> <td>276:22 277:3</td> <td>245:18 254:8</td> <td>262:18</td>	22:14 23:8	276:22 277:3	245:18 254:8	262:18
42:22,23 43:9 backlog 220:4 basing 85:9 85:4 87:14 45:8 50:11 30:1 283:19 272:6 273:22 60:22 63:8 bacterial 77:21 basis 44:15,22 begun 273:16 73:21 91:1 94:5 bain 275:23 105:22 129:10 belief 318:4 97:11,14 ballpark 54:7 129:12,16 believe 8:18 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 believe 8:18 100:21 136:6 32:11 33:12 276:8,25 27:13 28:10 22:32 23:1 24:5 153:21 157:17 bar 92:4 batch 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 </td <td>26:15 27:1 31:2</td> <td>backgrounds</td> <td>300:21</td> <td>beginning</td>	26:15 27:1 31:2	backgrounds	300:21	beginning
45:8 50:11 backwards 194:17 283:17 115:17,21 54:21 58:4 30:1 283:19 272:6 273:22 60:22 63:8 bacterial 77:21 basis 44:15,22 begun 273:16 73:21 91:1 94:5 bain 275:23 105:22 129:10 belief 318:4 97:11,14 ballpark 54:7 129:12,16 believe 8:18 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 118:18 122:2 28:12 30:10 253:13 261:4 22:20 23:1 24:5 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 <t< td=""><td>35:21 38:17</td><td>150:24</td><td>basics 165:13</td><td>52:10 62:24</td></t<>	35:21 38:17	150:24	basics 165:13	52:10 62:24
54:21 58:4 30:1 283:19 272:6 273:22 60:22 63:8 bacterial 77:21 basis 44:15,22 begun 273:16 73:21 91:1 94:5 bain 275:23 105:22 129:10 belief 318:4 97:11,14 ballpark 54:7 129:12,16 believe 8:18 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 118:18 122:2 28:12 30:10 253:13 261:4 22:20 23:1 24:5 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 batch 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:12 193:2 266:10 301:18	42:22,23 43:9	backlog 220:4	basing 85:9	85:4 87:14
60:22 63:8 bacterial 77:21 basis 44:15,22 begun 273:16 73:21 91:1 94:5 bain 275:23 105:22 129:10 belief 318:4 97:11,14 ballpark 54:7 129:12,16 believe 8:18 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 22:20 23:1 24:5 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 22:20 23:1 24:5 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:12 193:2 266:10 301:18	45:8 50:11	backwards	194:17 283:17	115:17,21
73:21 91:1 94:5 bain 275:23 105:22 129:10 belief 318:4 97:11,14 ballpark 54:7 129:12,16 believe 8:18 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 118:18 122:2 28:12 30:10 253:13 261:4 22:20 23:1 24:5 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 276:16 224:3 301:22 303:16 213:9 214:	54:21 58:4	30:1	283:19	272:6 273:22
97:11,14 ballpark 54:7 129:12,16 believe 8:18 100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 118:18 122:2 28:12 30:10 253:13 261:4 22:20 23:1 24:5 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:12 24:1 170:13 189:3,4 209:1 213:7 276:12 224:3 301:22 303:16 213:9 214:18	60:22 63:8	bacterial 77:21	basis 44:15,22	begun 273:16
100:22 106:1,2 bankruptcy 192:25 248:3 11:8,17 21:4 118:18 122:2 28:12 30:10 253:13 261:4 22:20 23:1 24:5 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:	73:21 91:1 94:5	bain 275:23	105:22 129:10	belief 318:4
118:18 122:2 28:12 30:10 253:13 261:4 22:20 23:1 24:5 130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16<	97:11,14	ballpark 54:7	129:12,16	believe 8:18
130:12 136:6 32:11 33:12 276:8,25 27:13 28:10 153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14	100:22 106:1,2	bankruptcy	192:25 248:3	11:8,17 21:4
153:21 157:17 bar 92:4 batch 273:21 32:8,19 41:3,5 158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 </td <td>118:18 122:2</td> <td>28:12 30:10</td> <td>253:13 261:4</td> <td>22:20 23:1 24:5</td>	118:18 122:2	28:12 30:10	253:13 261:4	22:20 23:1 24:5
158:24 159:5 bard 22:18 273:21 97:12,25 99:3 159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 7	130:12 136:6	32:11 33:12	276:8,25	27:13 28:10
159:17 160:7 base 85:17 bates 5:10,20 100:4 102:19 168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 <td>153:21 157:17</td> <td>bar 92:4</td> <td>batch 273:21</td> <td>32:8,19 41:3,5</td>	153:21 157:17	bar 92:4	batch 273:21	32:8,19 41:3,5
168:7 174:13 117:7 6:7 7:17,19 103:21 114:10 180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:222,22 74:18 310:10 318:3	158:24 159:5	bard 22:18	273:21	97:12,25 99:3
180:22 184:6 based 31:8 34:22,25 94:3 117:9 124:19 190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	159:17 160:7	base 85:17	bates 5:10,20	100:4 102:19
190:3 191:13 54:10 84:16,17 141:4 153:14 133:14 135:12 193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	168:7 174:13	117:7	6:7 7:17,19	103:21 114:10
193:25 194:11 106:13,15,16 155:4 160:16 135:13 138:13 198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:222,22 74:18 310:10 318:3	180:22 184:6	based 31:8	34:22,25 94:3	117:9 124:19
198:18,19 112:15 113:24 168:5,19 155:19 158:21 203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	190:3 191:13	54:10 84:16,17	141:4 153:14	133:14 135:12
203:9 206:9 118:3 151:18 176:19 244:1 170:13 189:3,4 209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	193:25 194:11	106:13,15,16	155:4 160:16	135:13 138:13
209:1 213:7 176:12 193:2 266:10 301:18 202:16 210:14 214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	198:18,19	112:15 113:24	168:5,19	155:19 158:21
214:15 215:6 212:16 224:3 301:22 303:16 213:9 214:18 215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	203:9 206:9	118:3 151:18	176:19 244:1	170:13 189:3,4
215:21 221:4 230:18 231:9 303:19 214:19 218:20 223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	209:1 213:7	176:12 193:2	266:10 301:18	202:16 210:14
223:9 224:4 239:7 254:7 battle 309:8 218:24 228:11 225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	214:15 215:6	212:16 224:3	301:22 303:16	213:9 214:18
225:4 228:13 259:20 276:7 baylen 2:16 269:14,14 239:17 243:17 278:16 bear 208:17 279:20 296:2 243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	215:21 221:4	230:18 231:9	303:19	214:19 218:20
239:17 243:17	223:9 224:4	239:7 254:7	battle 309:8	218:24 228:11
243:17 245:22 basic 61:4 230:15 309:17 300:22 306:17 248:10 261:1 72:22,22 74:18 310:10 318:3	225:4 228:13	259:20 276:7	baylen 2:16	269:14,14
248:10 261:1 72:22,22 74:18 310:10 318:3	239:17 243:17	278:16	bear 208:17	279:20 296:2
	243:17 245:22	basic 61:4	230:15 309:17	300:22 306:17
266:3 276:15 74:20 77:7 16 hongley 2:3 holioged 207:24	248:10 261:1	72:22,22 74:18	310:10	318:3
200.5 270.15 74.20 77.7,10 Deasity 2.5 Delieveu 207.24	266:3 276:15	74:20 77:7,16	beasley 2:3	believed 207:24
290:4 293:11 77:21 79:5 84:6 beasleyallen believes 206:2	290:4 293:11	77:21 79:5 84:6	beasleyallen	believes 206:2
306:18 308:22	306:18 308:22	109:11 112:6	2:7	235:7 236:6

[believes - c] Page 11

238:16	biological 71:14	body 142:14	189:15,18,24
believing 237:4	73:25 75:17	193:2 205:13	211:16,18
bells 302:17,21	152:2,5 191:3	224:23 225:3	223:14 237:7
best 70:24	196:20 236:25	bogged 65:21	265:15,21,25
86:21 158:15	293:7,15,18,24	bolded 96:17	299:18
158:19,22	296:1,5	96:19	brian 3:5
300:11 318:4	biostat 18:24	book 20:14	bring 119:23
better 27:16	19:12,14	213:7 214:7,8	143:25 144:1
90:14 119:19	165:13	214:10,20	146:12 170:8
146:6 162:23	bit 49:21 154:2	284:6	170:23 218:3
263:22 283:1	183:8 250:13	books 19:23	brings 150:25
beyond 85:2	267:14	20:4,19 185:5	broader 147:22
98:24 111:8	biweekly	borrow 222:9	149:21
195:24 231:21	269:24 271:8	bottom 41:12	broadly 108:12
bias 196:9	273:12	126:24 281:15	broken 120:4
biddle 3:22	black 5:17	bought 230:10	brooklyn
big 142:22	142:5	230:10	307:21
161:21 180:2	blah 125:24,24	bound 14:24	brought 47:22
202:22 274:6	297:12,12,12	boundas 3:4	143:1
bigger 207:8,12	300:6,6,11,11	bounds 99:3	brown 100:23
285:21	blank 174:14	bradford 39:5	bucket 86:9
biggest 164:9	242:15	39:10	98:15
bill 174:19	blanket 36:3	brain 79:17	buckets 55:4,6
260:19 261:17	blinds 277:3	285:25	bullet 304:15
262:3 263:25	blips 152:12	branch 217:5	bunch 199:1
264:20 298:13	blocking 24:19	brand 223:25	bureau 258:21
314:6	219:9,11	break 10:25	260:10,18,21
bind 29:13	blur 72:8	11:23 13:7 26:8	button 49:2
binder 9:17	308:23	49:25,25 50:4	c
10:1,2,3 182:20	board 15:24	53:23 57:5	c 2:1 3:1 4:23
184:10 185:8	16:4,6,24,25	63:19,25 64:9	5:6 81:25 82:12
binders 9:21,24	111:19	64:15 67:17	82:18,21 83:2
9:25 182:16,17	boards 16:19	68:8 80:4	94:9 193:1
190:7	bob 219:15	112:19 113:1	317:1,1
bingo 147:5	bodies 197:23	162:24 167:22	317.1,1
		168:7 182:8	
-			

[calcium - certain]

calcium 292:23 226:11,13 carol 241:2,3,4 causation 38:19 calculate 304:22 306:11 241:8,11,13 38:25 39:4,16 calculated 176:17 177:15 305:9,20 306:4 41:14,19 42:13 calendar 30:7 capable 263:3 carries 308:9 42:14,15 44:13 california 18:5 capationed carries 308:9 42:14,15 44:13 california 18:5 capationed carries 308:9 42:14,19 42:13 california 18:5 capationed carrines 308:9 42:14,19 42:13 california 18:5 capationed carrines 308:9 42:14,19 42:13 california 18:5 capationed carrines 308:9 42:14,13 49:15 41:13 196:17,17 call 22:92:47 317:10 22:20,23 24:17 22:20,23 24:17 22:20,23 24:17 22:20,23 24:17 22:20,23 24:17 22:20,23 24:17 22:20,23 24:17 22:20,23 25:10 22:20 20:10 22:20 70:13 22:20 20:10 </th <th></th> <th></th> <th></th> <th></th>				
110:24 calculated calculated calculated 218:14 capabilities capable 263:3 capable 263:3 capacity 144:25 capable 263:3 capacity 144:25 capable 263:3 capacity 144:25 captioned call 22:9 24:7 24:21 25:6,17 carbon 5:17 28:14 captioned capacity 144:25	calcium 292:23	226:11,13	carol 241:2,3,4	causation 38:19
calculated 176:17 177:15 305:9,20 306:4 41:14,19 42:13 218:14 261:5 carries 308:9 42:14,15 44:13 california 18:5 capable 263:3 carring 178:21 196:15 18:14 captioned 281:13 196:17,17 24:21 25:6,17 carbon 5:17 26:1,1,11,13 40:16 41:23 26:9 155:1 142:5 28:4 32:7 34:10 42:7 69:23 called 20:23 carcinogen 36:1,14 37:4 22:423 287:22 called 20:23 carcinogen 36:1,14 37:4 22:423 287:22 28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 85:24 156:9 315:15 69:20 70:13 caused 42:10 292:18,21 71:13 74:7,14 76:17 cavity 191:5 calling 297:24 carcinogenic 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc'd 34:4 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 campaigns 13:14 294:24 276:7 291:12 creded 148:6 campbell	calculate	304:22 306:11	241:8,11,13	38:25 39:4,16
218:14 261:5 carries 308:9 42:14,15 44:13 calendar 30:7 capable 263:3 carrying 178:21 196:15 18:14 captioned 281:13 196:17,17 24:21 25:6,17 317:10 22:20,23 24:17 case 8:18 22:18 199:11 226:14 24:21 25:6,17 carbon 5:17 26:1,1,11,13 40:16 41:23 40:16 41:23 called 20:23 carcinogen 36:1,14 37:4 22:42:3 287:22 22:42:3 287:22 called 20:23 40:24 44:4 45:4 38:24 39:21 cause 42:7 69:23 22:10 28:5,6,7 40:24 44:4 45:4 38:24 39:21 cause 42:10 cause 224:23 287:22 28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 causes 226:10 85:24 156:9 315:15 69:20 70:13 cause 226:10 calling 297:24 carcinogenic 80:9,18 83:6 192:9 cavaing 20:13 camera 9:13 142:4 193:3 105:2 106	110:24	capabilities	243:9 247:5,13	39:23 40:9
calendar 30:7 capable 263:3 carrying 178:21 196:15 california 18:5 captioned 281:13 196:17,17 18:14 captioned case 8:18 22:18 199:11 226:14 call 22:9 24:7 317:10 22:20,23 24:17 199:11 226:14 24:21 25:6,17 carbon 5:17 26:1,1,11,13 40:16 41:23 26:9 155:1 142:5 28:4 32:7 34:10 42:7 69:23 called 20:23 carcinogen 36:1,14 37:4 224:23 287:22 22:12 28:5,6,7 40:24 44:4 45:4 38:24 39:21 caused 42:10 28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 caused 42:10 85:24 156:9 315:15 69:20 70:13 caused 42:10 causes 226:10 calling 297:24 carcinogeneses 71:17 7:17 7:32 72:17 7:17 7:17 72:17 7:17 72:17 7:17 72:17 7:17 72:17 7:17 72:17 7:17 72:17 7:17 72:17 7:17 72:17 7:17 72:17 7:17 7	calculated	176:17 177:15	305:9,20 306:4	41:14,19 42:13
california 18:5 capacity 144:25 281:13 196:17,17 18:14 captioned case 8:18 22:18 199:11 226:14 call 22:9 24:7 317:10 22:20,23 24:17 199:11 226:14 24:21 25:6,17 carbon 5:17 26:1,1,11,13 40:16 41:23 26:9 155:1 142:5 28:4 32:7 34:10 42:7 69:23 22:12 28:5,6,7 40:24 44:4 45:4 38:24 39:21 caused 42:10 28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 causes 226:10 85:24 156:9 315:15 69:20 70:13 caused 42:10 causes 226:10 85:24 156:9 315:15 69:20 70:13 caused 42:10 causes 226:10 causing 202:13 causing 202:13 causing 202:13 cavait 16:17 cavit 191:5 192:9 cavait 192:9 cavait 192:9 cavait 192:9 cavait 192:9 cavait 192:9 cavait 192:	218:14	261:5	carries 308:9	42:14,15 44:13
18:14 call captioned case 8:18 22:18 199:11 226:14 cause 39:7,22 cause 39:7,22 cause 39:7,22 dause 40:16 41:23 dause 42:4 69:23 daused 42:10 d	calendar 30:7	capable 263:3	carrying	178:21 196:15
call 22:9 24:7 317:10 22:20,23 24:17 cause 39:7,22 24:21 25:6,17 carbon 5:17 26:1,1,11,13 40:16 41:23 26:9 155:1 142:5 28:4 32:7 34:10 42:7 69:23 22:12 28:5,6,7 40:24 44:4 45:4 38:24 39:21 caused 42:10 28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 causes 226:10 85:24 156:9 315:15 69:20 70:13 causing 202:13 214:10 280:25 71:13 74:7,14 76:17 caveat 16:17 292:18,21 71:13 74:7,14 76:17 cavity 191:5 calling 297:24 carcinogenic 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 campaigns 113:14 294:24 276:7 291:12 center 8:9 campbell	california 18:5	capacity 144:25	281:13	196:17,17
24:21 25:6,17 carbon 5:17 26:1,1,11,13 40:16 41:23 26:9 155:1 142:5 28:4 32:7 34:10 42:7 69:23 22:12 28:5,6,7 40:24 44:4 45:4 38:24 39:21 caused 42:10 28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 85:24 156:9 315:15 69:20 70:13 causing 202:13 214:10 280:25 carcinogeneses 71:1 72:1 73:2 caveat 16:17 292:18,21 71:13 74:7,14 76:17 cavity 191:5 calling 297:24 carcinogenic 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 70:5,9,10,11 239:3 254:9 ceded 148:6 campaigns 13:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 <td< td=""><td>18:14</td><td>captioned</td><td>case 8:18 22:18</td><td>199:11 226:14</td></td<>	18:14	captioned	case 8:18 22:18	199:11 226:14
26:9 155:1 142:5 28:4 32:7 34:10 42:7 69:23 called 20:23 carcinogen 36:1,14 37:4 224:23 287:22 22:12 28:5,6,7 40:24 44:4 45:4 38:24 39:21 caused 42:10 28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 85:24 156:9 315:15 69:20 70:13 causing 202:13 214:10 280:25 carcinogeneses 71:1 72:1 73:2 caveat 16:17 292:18,21 71:13 74:7,14 76:17 cavity 191:5 calling 297:24 carcinogenic 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 campaigns 13:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14	call 22:9 24:7	317:10	22:20,23 24:17	cause 39:7,22
called 20:23 carcinogen 36:1,14 37:4 224:23 287:22 22:12 28:5,6,7 40:24 44:4 45:4 38:24 39:21 caused 42:10 28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 85:24 156:9 315:15 69:20 70:13 causing 202:13 214:10 280:25 carcinogeneses 71:1 72:1 73:2 caveat 16:17 292:18,21 71:13 74:7,14 76:17 cavity 191:5 calling 297:24 carcinogenic 80:9,18 83:6 192:9 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 cavity 191:5 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 cc'd 34:4 120:2,4,4,11 70:5,9,10,11 239:3 254:9 ceded 148:6 campaigns 13:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens case	24:21 25:6,17	carbon 5:17	26:1,1,11,13	40:16 41:23
22:12 28:5,6,7 40:24 44:4 45:4 38:24 39:21 caused 42:10 28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 85:24 156:9 315:15 69:20 70:13 caveat 16:17 292:18,21 71:13 74:7,14 76:17 caveat 16:17 calling 297:24 carcinogenic 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 campaigns 113:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 55:10 137:20 108:24 109:9 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 2	26:9 155:1	142:5	28:4 32:7 34:10	42:7 69:23
28:20 60:16 202:5 314:25 45:23 56:16 causes 226:10 85:24 156:9 315:15 69:20 70:13 causing 202:13 214:10 280:25 carcinogeneses 71:1 72:1 73:2 caveat 16:17 292:18,21 71:13 74:7,14 76:17 cavity 191:5 calling 297:24 carcinogenic 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 cc 37:11 campaigns 113:14 294:24 276:7 291:12 ceded 148:6 campbell 138:8,8 23:11 216:10,11,14 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 55:10 137:20 108:24 109:9 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 208:15 212:1 careful 26:4,14 279:12 centuries 75:13	called 20:23	carcinogen	36:1,14 37:4	224:23 287:22
85:24 156:9 315:15 69:20 70:13 causing 202:13 214:10 280:25 carcinogeneses 71:1 72:1 73:2 caveat 16:17 292:18,21 71:13 74:7,14 76:17 cavity 191:5 calling 297:24 carcinogenic 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 campaigns 113:14 294:24 276:7 291:12 ceded 148:6 campbell 138:8,8 23:11 216:10,11,14 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 centuries 75:13 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23	22:12 28:5,6,7	40:24 44:4 45:4	38:24 39:21	caused 42:10
214:10 280:25 carcinogeneses 71:1 72:1 73:2 caveat 16:17 292:18,21 71:13 74:7,14 76:17 cavity 191:5 calling 297:24 carcinogenic 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 campaigns 113:14 294:24 276:7 291:12 ceded 148:6 campbell 138:8,8 23:11 216:10,11,14 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 centuries 75:13 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 </td <td>28:20 60:16</td> <td>202:5 314:25</td> <td>45:23 56:16</td> <td>causes 226:10</td>	28:20 60:16	202:5 314:25	45:23 56:16	causes 226:10
292:18,21 71:13 74:7,14 76:17 cavity 191:5 calling 297:24 5:16 6:10,15 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 121:17,19 70:5,9,10,11 239:3 254:9 ceded 148:6 campaigns 113:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 co:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 category 279:9 centuries 75:13 20	85:24 156:9	315:15	69:20 70:13	causing 202:13
calling 297:24 carcinogenic 80:9,18 83:6 192:9 calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 campaigns 113:14 294:24 276:7 291:12 center 8:9 campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 centuries 75:13 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	214:10 280:25	carcinogeneses	71:1 72:1 73:2	caveat 16:17
calls 69:11,12 5:16 6:10,15 87:6 104:19 cc 37:11 camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 121:17,19 70:5,9,10,11 239:3 254:9 ceded 148:6 campaigns 113:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 core cated 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 19:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 caught 152:3 51:19	292:18,21	71:13	74:7,14 76:17	cavity 191:5
camera 9:13 142:4 193:3 105:2 106:23 cc'd 34:4 119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 121:17,19 70:5,9,10,11 239:3 254:9 ceded 148:6 campaigns 113:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 care 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 208:15 212:1 careful 26:4,14 279:12 centuries 75:13 228:15 212:1 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	calling 297:24	carcinogenic	80:9,18 83:6	192:9
119:22,23 205:4 221:19 115:8 130:10 cc's 219:5 120:2,4,4,11 70:5,9,10,11 239:3 254:9 ceded 148:6 121:17,19 70:5,9,10,11 239:3 254:9 ceded 148:6 campaigns 113:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 centuries 75:13 208:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	calls 69:11,12	5:16 6:10,15	87:6 104:19	cc 37:11
120:2,4,4,11 carcinogenicity 199:1 211:10 ccr 317:14 121:17,19 70:5,9,10,11 239:3 254:9 ceded 148:6 campaigns 113:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	camera 9:13	142:4 193:3	105:2 106:23	cc'd 34:4
121:17,19 70:5,9,10,11 239:3 254:9 ceded 148:6 campaigns 113:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	119:22,23	205:4 221:19	115:8 130:10	cc's 219:5
campaigns 113:14 294:24 276:7 291:12 center 8:9 179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	120:2,4,4,11	carcinogenicity	199:1 211:10	ccr 317:14
179:17,18 carcinogens cases 22:3 71:10,21 216:8 campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 21:19 77:23 223:21,21 115:5 122:20 238:22 80:5 90:10	121:17,19	70:5,9,10,11	239:3 254:9	ceded 148:6
campbell 138:8,8 23:11 216:10,11,14 145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	campaigns	113:14 294:24	276:7 291:12	center 8:9
145:14 cardiovascular cast 261:16 216:23 217:11 campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:23 217:11 217:12 219:20 235:21 235:21 category 279:9 235:21 208:15 212:1 76:4 114:14 279:12 235:21 216:23 21:1 223:21,21 235:21 223:21,21 115:5 122:20 238:22 80:5 90:10	179:17,18	carcinogens	cases 22:3	71:10,21 216:8
campus 3:23 20:10 catch 137:10 217:12 219:20 cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	campbell	138:8,8	23:11	216:10,11,14
cancer 5:14 6:9 care 202:3,5 categories central 58:11 39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	145:14	cardiovascular	cast 261:16	216:23 217:11
39:3,6,22 40:17 300:6 55:10 137:20 108:24 109:9 70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	campus 3:23	20:10	catch 137:10	217:12 219:20
70:3 142:3 career 105:25 173:21 235:21 196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	cancer 5:14 6:9	care 202:3,5	categories	central 58:11
196:3 205:2,16 careers 198:8 category 279:9 centuries 75:13 208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	39:3,6,22 40:17	300:6	55:10 137:20	108:24 109:9
208:15 212:1 careful 26:4,14 279:12 certain 20:24 216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	70:3 142:3	career 105:25	173:21	235:21
216:22 220:25 76:4 114:14 caught 152:3 51:19 77:23 223:21,21 115:5 122:20 caus 38:22 80:5 90:10	196:3 205:2,16	careers 198:8	category 279:9	centuries 75:13
223:21,21 115:5 122:20 caus 38:22 80:5 90:10	208:15 212:1	careful 26:4,14	279:12	certain 20:24
	216:22 220:25	76:4 114:14	caught 152:3	51:19 77:23
224:5,20 192:17 94:24 97:22	223:21,21	115:5 122:20	caus 38:22	80:5 90:10
	224:5,20	192:17		94:24 97:22

[certain - chrysotile]

99:11 106:13 247:9 253:24 character checked 12:15 107:21 109:4 257:15 270:21 163:11 213:7 114:25 144:16 272:4 273:18 characteristics checking 147:17,20 274:2,12 136:12 151:20 126:15 163:13 173:20 275:24,25 163:14,17 chemical 74:1 173:21,23,24 300:16,20 173:25 176:13 74:21 75:22 176:9 179:6 306:23 313:24 270:3 291:22,24 212:18 220:19 certainty characterize chemicals 234:17 244:18 310:20 40:14 86:21 77:24 266:11 293:10 certificate 134:1 chemicals 296:3 307:11 317:21 characterizes 72:21 certainly 12:20 certified 1:10 178:5 china 180:2,1 30:8 39:15 317:4,6 charge 71:10 180:13,19,23 175:22 114:20 181:20,298:12 42:17 47:13,18 certifying 71:22 114:20 181:20,298:12 181:20,298:12
114:25 144:16 272:4 273:18 characteristics checking 147:17,20 274:2,12 136:12 151:20 126:15 163:13 173:20 275:24,25 163:14,17 chemical 74:1 173:21,23,24 300:16,20 173:25 176:13 74:21 75:22 291:22,24 212:18 220:19 certainty characterize chemicals 234:17 244:18 310:20 40:14 86:21 77:24 266:11 293:10 certificate 134:1 chemistry 296:3 307:11 317:21 characterizes 72:21 certainly 12:20 certified 1:10 178:5 china 180:2,1 30:8 39:15 317:4,6 charge 71:10 180:13,19,23 181:4,6,12,16 62:2,3 67:23 certify 317:8 chart 174:22,23 181:4,6,12,16 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 293:21 294:5 76:19 77:6 30:11 45:3 chat 48:18 49:2 295:4,7,15 78:23 79:11 73:23 89:12 49:12
147:17,20 274:2,12 136:12 151:20 126:15 163:13 173:20 275:24,25 163:14,17 chemical 74:1 173:21,23,24 300:16,20 173:25 176:13 74:21 75:22 176:9 179:6 306:23 313:24 270:3 291:22,24 212:18 220:19 certainty characterize chemicals 234:17 244:18 310:20 40:14 86:21 77:24 266:11 293:10 certificate 134:1 chemistry 296:3 307:11 317:21 characterizes 72:21 certainly 12:20 317:4,6 charge 71:10 180:13,19,23 42:17 47:13,18 certify 317:8 charge 71:10 180:13,19,23 69:22,25 70:4,4 317:25 175:3,4,20,24 181:4,6,12,16 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 292:1 73:8 75:6 76:5 19:13 27:18 chase 19:24 293:21 294:5 76:19 77:6 30:11 45:3 chat 48:18 49:2 295:4,7,15 78:23 79:11 73:23 89:12 49:12 126:9,11 choice 120:12 84:8 87:3
163:13 173:20 275:24,25 163:14,17 chemical 74:1 173:21,23,24 300:16,20 173:25 176:13 74:21 75:22 212:18 220:19 306:23 313:24 270:3 291:22,24 212:18 220:19 certainty characterize chemicals 234:17 244:18 310:20 40:14 86:21 77:24 266:11 293:10 certificate 134:1 chemistry 296:3 307:11 317:21 characterizes 72:21 certainly 12:20 317:4,6 charge 71:10 180:13,19,23 42:17 47:13,18 certify 317:8 71:22 114:20 181:4,6,12,16 62:2,3 67:23 certifying 71:22 114:20 181:4,6,12,16 69:22,25 70:4,4 317:25 175:3,4,20,24 181:20 298:13 76:19 77:6 30:11 45:3 chase 19:24 293:21 294:5 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 48:8 87:3 95:4 73:23 89:12 140:14,20 choose 125:3 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3
173:21,23,24 300:16,20 173:25 176:13 74:21 75:22 212:18 220:19 306:23 313:24 270:3 291:22,24 212:18 220:19 certainty characterize chemicals 234:17 244:18 310:20 40:14 86:21 77:24 266:11 293:10 certificate 134:1 chemistry 296:3 307:11 317:21 characterizes 72:21 certainly 12:20 317:4,6 charge 71:10 180:13,19,23 42:17 47:13,18 certify 317:8 71:22 114:20 181:4,6,12,16 62:2,3 67:23 certifying 175:3,4,20,24 181:20 298:13 69:22,25 70:4,4 317:25 175:3,4,20,24 181:20 298:13 76:19 77:6 30:11 45:3 chase 19:24 293:21 294:5 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 49:12 126:9,11 choose 125:3 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher <tr< td=""></tr<>
176:9 179:6 306:23 313:24 270:3 291:22,24 212:18 220:19 certainty characterize chemicals 234:17 244:18 310:20 40:14 86:21 77:24 266:11 293:10 certificate 134:1 chemistry 296:3 307:11 317:21 characterizes 72:21 certainly 12:20 certified 1:10 178:5 china 180:2,1 30:8 39:15 317:4,6 charge 71:10 180:13,19,23 42:17 47:13,18 certify 317:8 71:22 114:20 181:4,6,12,16 62:2,3 67:23 certifying chart 174:22,23 181:20 298:13 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 292:1 73:8 75:6 76:5 19:13 27:18 chase 19:24 293:21 294:5 76:19 77:6 30:11 45:3 chat 48:18 49:2 295:4,7,15 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choose 125:3 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3
212:18 220:19 certainty characterize chemicals 234:17 244:18 310:20 40:14 86:21 77:24 266:11 293:10 certificate 134:1 chemistry 296:3 307:11 317:21 characterizes 72:21 certainly 12:20 certified 1:10 178:5 china 180:2,1 30:8 39:15 317:4,6 charge 71:10 180:13,19,23 42:17 47:13,18 certify 317:8 71:22 114:20 181:4,6,12,16 62:2,3 67:23 certifying chart 174:22,23 181:20 298:13 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 292:1 73:8 75:6 76:5 19:13 27:18 chase 19:24 293:21 294:5 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choose 125:3 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher
234:17 244:18 310:20 40:14 86:21 77:24 266:11 293:10 317:21 characterizes 72:21 296:3 307:11 317:21 characterizes 72:21 certainly 12:20 certified 1:10 178:5 china 180:2,1 30:8 39:15 317:4,6 charge 71:10 180:13,19,23 42:17 47:13,18 certify 317:8 71:22 114:20 181:4,6,12,16 62:2,3 67:23 certifying chart 174:22,23 181:20 298:13 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 292:1 70:10 72:20 cetera 18:7 175:25 176:1,9 293:21 294:5 73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choose 125:3 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher
266:11 293:10 certificate 134:1 chemistry 296:3 307:11 317:21 characterizes 72:21 certainly 12:20 certified 1:10 178:5 china 180:2,1 30:8 39:15 317:4,6 charge 71:10 180:13,19,23 181:4,6,12,16 62:2,3 67:23 certify 317:8 chart 174:22,23 181:20 298:13 69:22,25 70:4,4 317:25 chart 174:22,23 181:20 298:13 70:10 72:20 cetera 18:7 175:25 176:1,9 293:21 294:5 73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choose 123:22 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 168:23 177:24 2:15 3:10
296:3 307:11 317:21 characterizes 72:21 30:8 39:15 317:4,6 charge 71:10 180:13,19,23 42:17 47:13,18 certify 317:8 71:22 114:20 181:4,6,12,16 62:2,3 67:23 certifying chart 174:22,23 181:20 298:13 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 292:1 70:10 72:20 cetera 18:7 175:25 176:1,9 293:21 294:5 73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choose 125:3 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
certainly 12:20 certified 1:10 178:5 china 180:2,1 30:8 39:15 317:4,6 charge 71:10 180:13,19,23 42:17 47:13,18 certify 317:8 71:22 114:20 181:4,6,12,16 62:2,3 67:23 certifying chart 174:22,23 181:20 298:13 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 293:21 294:5 70:10 72:20 cetera 18:7 175:25 176:1,9 293:21 294:5 73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 chose 123:22 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14 </td
30:8 39:15 317:4,6 charge 71:10 180:13,19,23 42:17 47:13,18 certify 317:8 71:22 114:20 181:4,6,12,16 62:2,3 67:23 certifying chart 174:22,23 181:20 298:13 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 292:1 70:10 72:20 cetera 18:7 175:25 176:1,9 293:21 294:5 73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choose 123:22 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
42:17 47:13,18 certify 317:8 71:22 114:20 181:4,6,12,16 62:2,3 67:23 certifying 181:4,6,12,16 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 292:1 70:10 72:20 cetera 18:7 175:25 176:1,9 293:21 294:5 73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choose 125:3 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
62:2,3 67:23 certifying chart 174:22,23 181:20 298:13 69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 292:1 70:10 72:20 cetera 18:7 175:25 176:1,9 293:21 294:5 73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 chose 125:3 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
69:22,25 70:4,4 317:25 175:3,4,20,24 chlorite 292:1 70:10 72:20 cetera 18:7 175:25 176:1,9 293:21 294:5 73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choosing 120: 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
70:10 72:20 cetera 18:7 175:25 176:1,9 293:21 294:5 73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choosing 120: 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
73:8 75:6 76:5 19:13 27:18 chase 19:24 295:4,7,15 76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choosing 120: 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
76:19 77:6 30:11 45:3 chat 48:18 49:2 choice 120:12 78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choosing 120: 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
78:23 79:11 59:20 72:5,21 49:12 126:9,11 choose 123:22 84:8 87:3 95:4 73:23 89:12 140:14,20 choosing 120: 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
84:8 87:3 95:4 73:23 89:12 140:14,20 choosing 120: 96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
96:22 101:8,23 99:16 112:10 152:20 153:3 chose 125:3 104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
104:14 106:7 123:12 267:9 160:20 168:21 christopher 115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 116:8,12 226:22 233:9 178:9,15 chronic 71:14
115:17,20 cfr 115:1 168:23 177:24 2:15 3:10 16:8,12 226:22 233:9 178:9,15 chronic 71:14
116:8,12 226:22 233:9 178:9,15 chronic 71:14
120.10 122.5 ahomos 170.11 221.14.222.2 -1 1
129:19 133:5 chance 178:11 221:14 222:2 chronology
136:1 140:2 267:24 285:9 250:15 267:7 156:19 157:5
151:5,10 158:4 301:5 267:11 268:2 186:24 187:1
158:8,20 172:7 chances 313:13 280:7 284:23 chrysotile
173:25 194:8 change 45:24 285:12 299:24 62:24 115:23
196:15,19 219:25,25 check 13:8 125:21 127:7
197:9 198:24 318:6 18:17 25:16 128:23 129:20
199:2 210:23 changed 139:9 26:7 97:10,11 135:2 144:16
211:2 228:18 changes 318:5 97:14 135:15 159:8 164:8,1
229:12 230:5 changing 130:2 214:19 221:4 166:11,16,17
237:15 242:10 265:11,19 166:18 185:15

[chrysotile - comfortable]

185:16 186:18 216:4,21 217:8 71:18 75:1 77:3 close 25:9 66 187:21 270:5,7 217:16,24 88:6 106:11 129:14 250: 300:12 220:25 223:17 115:9 120:9,18 264:17 cir 91:4 224:3 226:4,25 134:25 144:22 closed 202:7	8
300:12 220:25 223:17 115:9 120:9,18 264:17 cir 91:4 224:3 226:4,25 134:25 144:22 closed 202:7	
cir 91:4 224:3 226:4,25 134:25 144:22 closed 202:7	
·	
	20
circle 90:5 230:19 231:10 150:21 158:2,9 closing 100:2	
circled 219:8 233:5 249:25 167:25 213:16 coalition 6:9	
circuit 67:25 250:3 251:8 227:20 243:12 205:3 212:2	
citation 122:16 citizens 91:5 244:24 247:7 216:22 223:	22
cite 33:6 105:16 211:23 212:1 254:6 261:16 coast 112:18	
124:16,21 215:20,22,23 266:17,24 codes 218:1,5	3
125:25 127:14 215:25 216:2,7 267:3,4 270:22 cohen 3:9	
130:4 136:7 220:4,12 270:24 272:10 colleagues 2	l:1
140:10 169:16 clamped 65:11 272:12 295:19 collected 98:	4
170:10 191:6,7 clarification 295:21 college 75:11	
225:8 227:18 233:15 cleared 172:18 75:20 254:1:	5
257:9 clarified 272:1 203:16 columbus	
cited 10:1 40:20 clarify 56:3 clearer 91:24 22:19	
40:23 58:19 152:5 162:16 clearly 97:15 combined	
85:3 91:8 108:7 266:4,6 299:21 99:3 264:20 297:10	
125:12 129:5,5 299:22 307:17 270:12 come 22:5 23	3:8
145:1 226:1 class 105:18,23 cleavage 41:15 49:1 54:21	
228:14,15 107:1,14 41:23 42:4,6,10 68:18 70:1 7	5:4
231:10 256:24 278:22 42:13,15,19 75:8,13 156:	23
266:19 classes 18:25 click 153:18 168:6 169:25	5
cites 125:14 19:20 178:14 188:20 216:	4
145:13 181:20 classification clicked 161:2 266:3 277:22	2
225:12 266:11 193:2,6,6,8 client 110:8 294:8 307:2	
citing 184:5 315:6 189:11 277:9 comes 124:3	
191:17,18 classified 72:6 clinical 19:15 138:7 151:13	3
192:21 226:21 classify 314:24 24:2 42:16,17 196:18 202:	9
260:8 282:12 315:5,14 clinically 80:1 223:24	
citizen 6:9,14 clean 181:25 clip 67:2 comfortable	
205:3 212:24 cleaned 315:10 clipped 65:22 76:25 78:23	
221:19 clear 12:25 67:2 92:8,11 119:	7
citizen's 7:7 29:1 48:12 clips 9:17 122:25 124:	3
213:19 215:16 56:12 64:12 127:25 128:3	3,7

[comfortable - conclusion]

120.7.24.120.5	122.25	aamulainina	aammag i tag
129:7,24 130:5 197:21	132:25 communicate	complaining 270:4	composites 271:8 274:6
coming 268:5	56:14 210:6,9	complaint	
307:18	communicated	103:1	compound 292:9
commencing	27:5 28:9 94:20	complete 85:1	computer 9:10
1:13	communicati	85:9,10,12	48:24 57:2
comment	94:13	183:2,7 284:10	computing
289:10	companies 31:7	284:14	285:25
comments	32:4,6,9 43:4	completely	conceded
170:15,16	63:2 167:17	201:15 267:1	304:16 305:25
commerce 2:6	200:9,12	274:10	concept 87:8
commercial	273:20 274:3	completeness	129:15
125:18 127:4	274:15,16	258:15 262:5	concern 120:21
128:20	company 35:9	266:12	concerned
commission	38:12 60:14	complex 151:3	207:17 252:9
11:14,15	110:8 111:14	157:10 172:25	concerning
commissioner	111:18 187:25	173:1 180:3,10	212:20 220:20
45:3 212:18,19	201:6,11	complexities	concerns
213:17 214:22	202:15,16,23	128:13 172:14	302:19
215:10 216:15	206:2 232:16	complexity	conclude 118:5
217:7,13 219:9	235:16,16	131:15 132:7	concluded
220:2,12,20	268:13 309:23	compliance	116:24 199:13
223:23 234:25	313:18	31:11	200:8,9 225:6
235:12,18	compare 209:3	complicated	316:15
239:24 302:13	244:9 246:13	17:13,14 107:5	concluding
303:4 304:19	compares	131:13	190:10,17
306:2	291:25	complied 115:1	196:1
commissioner's	compartment	comply 234:20	conclusion
217:2 219:11	79:18	comport	108:13 111:5
241:5 304:17	competent	270:19	111:10 118:7
committed	305:15	composed	171:16 190:19
208:12 210:3	compilation	267:9 292:5	193:16 244:13
common 158:6	12:4	composite	244:14,15
292:14	compiled	269:25 270:16	245:18,21
commonly	215:19	273:12	246:14,15
130:24 131:24			248:13 312:12

[conclusions - contributed]

	02.16.104.10		44 55.22
conclusions	93:16 104:18	constituted	content 55:22
108:14 187:22	254:9	283:5	89:24 98:22
247:10	consensus 45:1	constitutes	287:19 290:25
condition	264:7,10	282:4	297:6
129:19	consequence	consult 56:8,12	contents 143:22
conduct 32:4	283:16	consumer 5:19	143:23
43:3 88:8	consequently	6:17 7:12	context 37:25
252:23	252:18 257:20	153:12 225:13	38:2 40:2 42:20
conducted 51:7	consider	240:2,9 242:20	108:24 136:15
252:15 253:8	106:25 207:20	242:23 248:1	136:24,25
255:13,16	considerable	284:4 285:3	137:13,16
270:10	60:2	287:17 292:4	146:9 147:22
conducting	considered	297:5 302:13	149:18 150:12
274:20	4:23 5:7 12:10	302:19	295:24 300:16
conference	13:5 47:15,17	contact 52:1	continue 24:4
8:17	47:23 60:10	contacted	28:17 149:1
confident 59:14	81:8,24 82:2,12	23:23 24:15	232:7
112:3 314:3	82:18,22 83:2,6	46:1	continued 3:1,3
confirm 276:19	83:11,20 87:5	contacting	5:1,3 6:1,3 7:1
conflict 28:23	95:2 101:3	308:12	7:3 57:15,17
29:1,4,5	158:15 174:4	contain 117:14	60:22 61:3
conflicted	252:19 257:21	179:8 251:19	263:5,19 269:8
27:18	258:10	252:2	continues 191:9
confused 99:13	consistent 20:7	contained 13:5	225:20
99:21 101:14	109:6 125:7	113:22,24	continuing 23:7
191:13 227:3	145:6 268:20	194:7 233:5	268:25
congress 229:1	consistently	235:5 310:20	contours 18:21
connect 36:20	19:8,17 158:7	containing 5:10	contracted
79:20 237:16	270:25 275:3	124:20 126:21	158:11
237:16	consisting	141:4	contractors
connection	292:6	contains 115:9	35:11 59:14
21:14 33:16	consolidation	231:13 251:21	61:7 159:3
35:25 37:3	22:24	251:25 252:1	167:17
45:23 48:5	conspiracy	252:10	contributed
53:19 56:3,6	277:5	contamination	39:7 263:5
60:8 83:22		252:12	279:10

[control - counsel]

Page 17

			\mathcal{E}
control 58:21	copy 10:24 11:8	225:11,22	205:5 208:17
59:8 154:19	11:18 14:12	237:24 240:19	208:24 213:12
179:19 180:2	49:15 66:19	240:22,25	215:5,6 217:4
180:11,13,20	131:7 143:10	245:3,4 252:1	221:20 225:5
181:6,11 199:1	218:1 249:9,11	257:18 258:18	242:20 251:12
202:8 236:4	249:12,13	270:10,16	251:17,20,24
262:17 317:24	250:16 258:20	275:22 280:21	252:9 259:1
controls 268:23	260:9 262:22	280:22 281:2,3	262:15,19,24
controversial	280:17	281:6 282:6	263:6 268:20
123:18	core 232:23	289:24 293:2,5	274:13
controversy	corn 310:16	293:6 297:19	cosmetica
79:12,13 90:21	311:14,22	303:10,10	224:6
116:9 255:24	corporation	306:13 309:1	cosmetics 84:2
256:6	155:9	318:4	201:2 230:14
convenience	correct 16:3	corrected	241:23
102:6	17:8 21:6,7	238:23	cosponsored
conversation	39:19 50:24,25	correction	6:19 239:12
27:4,5,11 56:22	65:25 74:6	238:21	240:4,11
conversations	81:21 82:4,13	correctly 35:24	cost 309:18
46:4,25 55:16	82:14 83:15	113:18 127:12	costs 310:10
55:19,22,24,25	97:3,9,17	159:12 209:4	council 305:19
96:1 98:23	105:10 106:2	212:21 224:25	counsel 10:25
convince 164:6	108:14,18	252:21 269:10	13:19 24:8,16
164:11 166:13	110:5 123:3	288:3 293:1	25:20 26:8,10
convinced	124:17 126:6	302:15 304:23	28:6,6,7,19,20
230:9 235:22	128:20 135:8	correlated	37:2 47:19 48:5
cook 178:22	135:22 159:15	151:21	48:12 49:1
179:4 180:6	162:1 163:3,4,7	correspondence	52:25 53:1
cool 249:23	169:15 173:6	214:2	54:16 55:25
coordinated	179:9,17	cosmetic 5:9	56:8,15 64:15
29:16,19,20	183:19 192:19	6:6,11,16 31:6	65:15 66:1
coordination	193:17 203:6	32:1,4,6 43:4	68:23 69:15
29:21	204:9 206:14	43:14 44:17	89:11 90:20
copied 12:23	211:24 215:2,9	58:12 138:11	91:9 93:20 94:1
copies 219:6	215:11,13	141:3 160:3,16	94:7,14,20 95:3
	223:23 225:8	161:25 199:14	95:20 96:2 98:9

Document 33115-4 PageID: 231853

[counsel - david] Page 18

98:18,23 99:1,8	316:7 317:5,25	243:20,25	92:2,25 93:13
99:17,21	cover 51:22	262:22 263:2	93:17 97:6,12
101:10,22	covered 46:6	268:18,20	97:13 213:10
168:4 183:13	covering 47:21	270:1 304:10	214:24 221:4,5
184:3 219:16	covers 125:15	ctfa's 269:2	275:20
219:17,19	cplacitella 3:12	ctisi 2:17	databases
231:1 246:23	cprlaw.com	current 53:16	91:12,19
254:22 258:5	3:12,13	208:16 264:10	date 15:10
316:7	cralley 225:6,7	currently 19:22	45:12 50:17
count 93:15	225:9	20:4,20	58:19 103:23
257:14 272:23	cramer 194:13	curriculum	104:6 160:5,9
276:1 283:20	198:25 225:22	4:11 14:3	160:10 187:5,6
counting	226:1	cut 10:14 14:11	193:24 211:13
313:22	created 47:16	cutoff 223:16	287:4 301:19
countries 291:8	277:13	cv 13:19 14:19	318:19
country 111:13	credible 109:2	15:4,8,16,18,21	dated 4:13,16
couple 9:10	109:24 111:3,6	21:4 26:19	4:17 6:11,13,18
12:14 13:8	111:20 124:10	106:4,5 107:3	7:15,16,18 15:2
63:21 64:11	credit 276:3	cv's 15:16,16	15:8 31:16,20
102:10 136:8	critical 205:11	cyprus 155:8	45:11,17 48:13
191:1 208:10	274:16	272:7 273:19	48:15 82:22
209:2 225:9	criticizing	300:5	104:10,23
250:7 267:18	274:20	d	176:18 205:5
270:21	crocidolite	d 4:1 5:1 6:1	212:2,3 221:18
course 56:2	159:10		223:22 240:3
123:17 154:3	cross 89:10	7:1 8:1,1,1 88:4 126:16 141:12	240:10 243:19
190:15 232:12	crr 317:14	141:15 250:25	268:9 285:6
247:23 259:17	crush 62:12	251:7 284:23	301:22 303:19
264:22 266:25	crushing 61:23	damn 262:12	304:7 317:18
courses 75:19	62:8 80:6	data 126:22	dates 137:20
75:22	313:19	172:3 181:11	dating 224:4
court 1:1,11	crystal 144:12	database 60:18	225:3
63:19 68:4	300:13		daubert 86:6
112:21 141:16	ctfa 33:3 58:11	60:19 86:12,16 86:22,23 87:10	david 1:8 4:4
168:11 189:22	155:14 159:5	90:12,19 91:15	4:11,13,15 14:4
249:21 301:15	160:2 241:24	70.12,19 91.13	31:19 45:17
	•	•	

[david - delivery]

316:14	decided 309:13	defenses 309:7	145:13,19,20
dawned 58:25	310:22 311:6	define 76:6	146:3,6,21
day 57:25 183:1	deciding 152:16	132:13 133:13	147:2 149:10
185:13 255:3	decision 19:15	133:20 136:22	150:13 151:6
312:5,8 318:22	146:10 233:21	145:15,15	155:1 159:16
days 12:14 13:8	302:8	146:17 151:10	159:18 163:14
73:22 99:14,15	decisions	151:16 296:11	165:4 278:2
102:7	124:18	defined 41:19	286:24 287:21
deal 8:25 151:2	deck 157:4	123:5,8 132:15	288:1 291:2,15
202:22 235:24	176:2,24	132:17 136:11	292:3,14,21
dealing 39:14	177:14	149:23 159:7	295:22
215:23 220:6	decks 169:10	291:17,21	definitions
293:7 296:15	decrease 150:1	defines 150:10	119:5 122:6,11
deals 61:9	313:12	150:10	123:25 124:5
146:20 193:10	dedicated	defining 146:3	127:22 135:5
214:21	105:25 241:20	definition 46:1	136:10,13,18
dealt 79:13	242:16	118:23,24,25	137:21 139:2
83:25 84:13,15	deduce 158:8	119:6,8 122:12	144:8 145:23
84:22 134:11	deep 79:22	122:17,25	147:16 151:18
214:22 216:7	194:5 199:8	123:2,6,6,15,20	293:18
216:10 235:9	defend 309:14	123:22 124:11	definitive
debate 172:10	defendant 3:15	124:14 125:3	200:23,24
decade 257:10	32:4,6,20 33:10	125:10,11,11	202:20 204:10
decades 122:11	43:3 170:14	126:2 127:19	204:11,16
159:19 165:24	defendant's	128:2,9 129:3,4	205:18,22
197:11 198:19	193:21	129:6,19,25	definitively
236:6 275:4	defendants	132:6,8,10,12	200:24
december 4:18	32:21 86:4	132:13,14,19	degree 196:20
48:13,15 50:17	87:15 124:9	132:21,22	310:19
51:2,21 140:10	198:13	133:4,8,11,15	delegated
145:10	defended 311:9	134:11,16,18	217:10,16
decide 100:7	defending 31:6	134:19,21,24	delegation
136:22 146:21	32:8	135:6,14	304:10
147:10 188:2	defense 95:23	136:16 138:25	delivery 316:8
188:11 243:23	100:25	139:4 143:6	316:10
278:2		144:9,18 145:9	
L		1	

[delved - difficult]

			_
delved 39:15	derfler 219:16	314:18	dictated 47:5
demarcation	derivation	detectable	48:2
75:1	138:18	268:15 271:13	dictating 55:16
denial 109:23	derived 171:2	271:14,15	55:20 96:2
dentist 55:1	derives 43:13	276:14,14,16	differ 132:10
department	describe 138:22	277:21,24	different 9:15
308:11	described 110:4	278:3 291:9	9:17 12:5 33:3
depend 137:7	230:19	detected 272:22	34:22,25 51:16
dependant	describes 127:5	276:19 277:16	53:2 55:4,5,9
203:4	128:21	287:18 314:19	64:13 72:2,4
depends 37:25	describing 66:4	detecting 263:3	73:9,18,24,25
38:3 136:5	description	272:20 314:20	88:3,5,7 89:24
237:3 286:12	4:10 5:4 6:4 7:4	detection 276:9	91:3 92:15
311:5	9:3	281:20 282:2,5	97:16 110:21
deposit 176:2	descriptive	283:4,6,9	119:4 122:5,10
177:16,21	254:24	300:10,12,14	124:10 127:14
deposition 1:8	deserved 17:11	314:2	127:22 130:2
11:14 24:13	designate 123:9	determination	136:10,12,12
66:16,18 68:22	designation	146:5 201:17	137:20,20,21
68:23 69:1,9,16	125:18	291:4,21	137:22,24
81:17 97:8 98:2	desktop 153:21	300:14	139:2,22
98:10,13,14	153:22 154:7	determine	161:10 165:15
99:9,15,16,19	despite 109:17	253:25 297:6	169:8 172:25
99:25 100:8	detail 33:14	determined	175:22,23,25
101:9 102:2	61:10 72:13	44:3 230:12	191:1 199:11
288:21 316:14	88:20 109:8	determining	202:14 218:9
depositions	111:24 159:25	252:13 253:6	227:6 270:2
86:15 97:1,13	185:12,18	developed	274:10 280:18
97:18,21,22	195:21	252:14 253:7	280:23 291:7,7
98:4,19 99:18	detailed 66:10	255:11 262:21	291:8,25
99:20,22 101:4	256:21	development	differential
120:10	details 172:23	283:7 300:2	310:17
deposits 177:19	detect 62:24	diagnostic 78:5	differently
depth 106:1	78:12 253:25	78:9	83:12
178:11	271:15 276:17	dick 218:22,23	difficult 205:16
	277:1,2,17	253:18 263:10	

[difficulties - document]

74.004		107 21 100 0	170.00
difficulties	disagreements	197:21 198:8	diverse 150:23
222:24	106:6 107:21	242:6 302:5	divide 176:4
diffraction	disagrees	discussion 8:13	divided 257:6
291:23	171:24 172:21	40:1 49:16	doc 79:25
digress 58:3	173:9,11	122:4 123:8	docket 224:1
84:12	disclosed 22:3	153:25 154:4	dockets 223:24
dimensions	23:15,18 26:5	167:6 168:13	doctor 13:22
62:15	disclosure	171:4 174:24	31:23 42:23
diminish	23:22	176:21 184:20	53:16 64:11
313:11	disconnect	223:7 225:21	80:1 112:20
dioxide 5:17	48:25	265:20 299:17	113:3 122:3
142:6	discovery 33:1	discussions	126:20 127:10
direct 317:24	60:19 81:16	108:6 242:5	142:20 152:24
directed 47:12	86:12,16,23	dismiss 205:16	154:24 166:21
216:24 219:16	87:10 90:12,18	dispense 198:8	190:2 205:8
223:23 226:25	92:1,25 93:13	dispersive	211:20 233:2
227:12,13	93:17 97:6,10	297:7	234:4 239:10
230:20 231:11	97:12 214:24	dispute 312:3	240:17 243:7
233:6	221:5	distance 106:22	246:18,22
directing	discuss 39:10	distinction 17:2	247:12 248:2
234:17	40:2 78:9 124:1	114:6 115:5	250:8 251:23
direction 64:13	128:4,11	distinctions	258:4 259:8
206:20 317:24	131:16,17	293:9	266:2 267:13
directly 227:13	180:8 182:23	distinguish	267:23 277:12
disagree 145:19	185:20 195:21	32:16	280:14 281:9
179:9 188:21	206:4	distinguished	281:10 285:9
253:13 254:2	discussed 81:4	106:5	286:6 293:21
257:23 258:13	83:19 133:16	distracted	297:22 301:4
259:23 260:2	183:11 184:20	121:4,13	302:3 316:2
311:23	186:3 270:15	249:20	document 6:5
disagreeing	302:11 304:13	distractions	6:17 7:11 33:7
275:18	316:1	108:1	33:9,24 34:6,7
disagreement	discusses	distribution	34:11,23,24
106:21 173:15	278:14	62:9 172:25	35:2 37:6,9,10
254:7	discussing	district 1:1,1	37:12,18,19,21
	41:20 128:7	, ,	38:6,7 40:20
	I	I .	

[document - drives]

49:18 88:14,21 65:22 67:9 296:19 297:20 173:5,5,9,11,12 88:22 89:1 68:14 78:19 305:21 306:6 174:5,11 90:18 92:1 94:2 81:4,18,24 307:13 177:23 179:6 97:5 112:7 85:14 86:27,15 doom 263:11 184:16 187:11 122:21,23 86:18 88:4,12 dose 113:15 188:3 205:12 136:21 141:19 90:3,9,10,14 dose 13:15 188:3 205:12 136:21 141:19 91:8,17 92:7,9 double 97:10 246:7 247:5,14 145:1 150:13 94:6,7 96:3 135:15 214:19 261:6,10,11 152:22 154:11 97:20,24 98:7 doubt 113:23 263:11 267:6 160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 103:4 153:10 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 269:12 279:15 184:5 185:11 4r.8:6 14:9 4r.8t 89:1 285:2,11,22 185:18,25 115:48:19	_	_		
90:18 92:1 94:2 81:4,18,24 307:13 177:23 179:6 97:5 112:7 85:14 86:2,7,15 doom 263:11 184:16 187:11 122:21,23 86:18 88:4,12 292:4:25 231:11 234:18 131:10,12 90:3,9,10,14 dots 36:20 242:7,9,13,18 136:21 141:19 91:8,17 92:7,9 double 97:10 246:7 247:5,14 142:18 143:5 92:24 93:11 97:11,14 247:17 248:4 145:1 150:13 94:6,7 96:3 135:15 214:19 261:6,10,11 152:22 154:11 97:20,24 98:7 doubt 113:23 263:11 267:6 160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 123:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 269:12 279:15 184:5 185:11 4r.8 614:9 305:16 306:3 269:12 279:15 185:18,25 31:15 48:19 49:6 63:18 64:1 300:3 304:4 235:6 261:14 66:7,24 67:19 drafted	49:18 88:14,21	65:22 67:9	296:19 297:20	173:5,5,9,11,12
97:5 112:7 85:14 86:2,7,15 doom 263:11 184:16 187:11 122:21,23 86:18 88:4,12 36:8 88:4,12 294:25 231:11 234:18 131:10,12 90:3,9,10,14 dots 36:20 242:7,9,13,18 136:21 141:19 91:8,17 92:7,9 double 97:10 246:7 247:5,14 145:1 150:13 94:6,7 96:3 315:15 214:19 261:6,10,11 152:22 154:11 97:20,24 98:7 doubt 113:23 263:11 267:6 160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 168:17 175:2 124:22 135:23 232:3 314:10 279:6 283:1 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 103:4 153:10 293:5,14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 269:12 279:15 184:5 185:11 48:6 14:9 46:6 63:18 64:1 288:15 288:11 307:6 308:23 31:15 48:19 47:44 40cumentation 272:3,5 275:8	88:22 89:1	68:14 78:19	305:21 306:6	174:5,11
122:21,23	90:18 92:1 94:2	81:4,18,24	307:13	177:23 179:6
126:13,14 88:14 89:3,8,25 294:25 231:11 234:18 131:10,12 90:3,9,10,14 dots 36:20 242:7,9,13,18 136:21 141:19 91:8,17 92:7,9 double 97:10 246:7 247:5,14 142:18 143:5 92:24 93:11 97:11,14 247:17 248:4 145:1 150:13 94:6,7 96:3 135:15 214:19 261:6,10,11 152:22 154:11 97:20,24 98:7 doubt 113:23 263:11 267:6 160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 168:17 175:2 124:22 135:23 232:3 314:10 279:6 283:1 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 153:20 299:20 305:14 233:25 240:8 167:10,19 153:20 299:20 305:14 245:1,22 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 draft 47:3 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 275:15 300:18 105:4,13,14	97:5 112:7	85:14 86:2,7,15	doom 263:11	184:16 187:11
131:10,12 90:3,9,10,14 dots 36:20 242:7,9,13,18 136:21 141:19 91:8,17 92:7,9 double 97:10 246:7 247:5,14 142:18 143:5 92:24 93:11 97:11,14 247:17 248:4 145:1 150:13 94:6,7 96:3 135:15 214:19 261:6,10,11 152:22 154:11 97:20,24 98:7 doubt 113:23 263:11 267:6 160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 168:17 175:2 124:22 135:23 232:3 314:10 279:6 283:1 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 153:20 299:20 305:14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 draft 47:3 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 drafted 47:24 30:3 304:4	122:21,23	86:18 88:4,12	dose 113:15	188:3 205:12
136:21 141:19 91:8,17 92:7,9 double 97:10 246:7 247:5,14 142:18 143:5 92:24 93:11 97:11,14 247:17 248:4 145:1 150:13 94:6,7 96:3 135:15 214:19 261:6,10,11 152:22 154:11 97:20,24 98:7 doubt 113:23 263:11 267:6 160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 168:17 175:2 124:22 135:23 232:3 314:10 279:6 283:1 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 103:4 153:10 293:5,14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 306:19 307:9 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 49:6 63:18 64:1 drafts 89:17 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 draw 114:6 30cumented 307:16	126:13,14	88:14 89:3,8,25	294:25	231:11 234:18
142:18 143:5 92:24 93:11 97:11,14 247:17 248:4 145:1 150:13 94:6,7 96:3 135:15 214:19 261:6,10,11 152:22 154:11 97:20,24 98:7 doubt 113:23 263:11 267:6 160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 168:17 175:2 124:22 135:23 232:3 314:10 279:6 283:1 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 103:4 153:10 293:5,14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 306:19 307:9 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 draft 47:3 285:2,11,22 264:4 267:18 49:6 63:18 64:1 drafts 89:17 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 4doumentation 272:3,5 275:8 101:19 102:7 draw 114:6 4gouments 106:16,25 174:13 242:15 <	131:10,12	90:3,9,10,14	dots 36:20	242:7,9,13,18
145:1 150:13 94:6,7 96:3 135:15 214:19 261:6,10,11 152:22 154:11 97:20,24 98:7 doubt 113:23 263:11 267:6 160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 168:17 175:2 124:22 135:23 232:3 314:10 279:6 283:1 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 103:4 153:10 293:5,14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 306:19 307:9 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 243:18 300:3 304:4 235:6 261:14 66:7,24 67:19 drafted 47:24 300:3 304:4 235:5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 draw 114:6 40cumented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 108:14 109:16 drew 3:10	136:21 141:19	91:8,17 92:7,9	double 97:10	246:7 247:5,14
152:22 154:11 97:20,24 98:7 doubt 113:23 263:11 267:6 160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 168:17 175:2 124:22 135:23 232:3 314:10 279:6 283:1 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 103:4 153:10 293:5,14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 306:19 307:9 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 243:18 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 40cumented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 dremzi 3:13	142:18 143:5	92:24 93:11	97:11,14	247:17 248:4
160:14 167:24 110:15 111:8 198:11 229:8 278:17,22 168:17 175:2 124:22 135:23 232:3 314:10 279:6 283:1 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 103:4 153:10 293:5,14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 draft 47:3 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 drafted 47:24 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drewing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 108:14 109:16 drew 3:10	145:1 150:13	94:6,7 96:3	135:15 214:19	261:6,10,11
168:17 175:2 124:22 135:23 232:3 314:10 279:6 283:1 178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 103:4 153:10 293:5,14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 draft 47:3 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 drafted 47:24 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 69:4 99:8 drafted 47:24 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documents 71:19 110:3 109:13 120:15 270:15	152:22 154:11	97:20,24 98:7	doubt 113:23	263:11 267:6
178:17 182:6 136:1 142:25 download 98:7 288:16 289:4 184:14 222:11 154:6 159:19 103:4 153:10 293:5,14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 306:19 307:9 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 243:18 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 108:14 109:16 drew 3:10 documents 71:19 110:3 108:14 109:16 dried 269:25 33:4,15,18,19 175:13 178:17 137:12 148:23 dri	160:14 167:24	110:15 111:8	198:11 229:8	278:17,22
184:14 222:11 154:6 159:19 103:4 153:10 293:5,14 233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 306:19 307:9 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 243:18 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documents 71:19 110:3 108:14 109:16 drew 3:10 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17	168:17 175:2	124:22 135:23	232:3 314:10	279:6 283:1
233:25 240:8 167:10,19 153:20 299:20 305:14 244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 306:19 307:9 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 243:18 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documents 71:19 110:3 108:14 109:16 drew 3:10 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22	178:17 182:6	136:1 142:25	download 98:7	288:16 289:4
244:1,2 256:11 174:20 180:12 downloaded 305:16 306:3 258:6 264:3 182:3 183:13 98:5 303:24 306:19 307:9 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 243:18 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documenting 55:17,18 60:21 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 137:12 148:23 drift 52:15 33:4,15,18,19 175:13 178:17 153:4,17 drinker 3:22 <	184:14 222:11	154:6 159:19	103:4 153:10	293:5,14
258:6 264:3 182:3 183:13 98:5 303:24 306:19 307:9 269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 243:18 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documenting doing 50:10 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 34:6,19,20,21 271:21 272:2 161:24 171:18 drives 17:20	233:25 240:8	167:10,19	153:20	299:20 305:14
269:12 279:15 184:5 185:11 dr 8:6 14:9 draft 47:3 285:2,11,22 185:18,25 31:15 48:19 243:18 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documenting doing 50:10 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 175:13 178:17 137:12 148:23 drill 179:17,17 33:4,15,18,19 175:13 178:17 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drives 17:20	244:1,2 256:11	174:20 180:12	downloaded	305:16 306:3
285:2,11,22 185:18,25 31:15 48:19 243:18 286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documenting 55:17,18 60:21 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drives 171:20	258:6 264:3	182:3 183:13	98:5 303:24	306:19 307:9
286:15 288:11 187:7 222:6 49:6 63:18 64:1 drafted 47:24 300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documenting 55:17,18 60:21 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 120:24 131:4 drift 52:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drives 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20	269:12 279:15	184:5 185:11	dr 8:6 14:9	draft 47:3
300:3 304:4 235:6 261:14 66:7,24 67:19 drafts 89:17 314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documenting doing 50:10 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20	285:2,11,22	185:18,25	31:15 48:19	243:18
314:22 264:4 267:18 69:4 99:8 draw 114:6 documentation 272:3,5 275:8 101:19 102:7 187:21 293:9 268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documenting doing 50:10 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20	286:15 288:11	187:7 222:6	49:6 63:18 64:1	drafted 47:24
documentation272:3,5 275:8101:19 102:7187:21 293:9268:14275:15 300:18105:4,13,14drawing 115:4documented307:16 308:23106:16,25174:13 242:1559:21313:24107:13,14drenzi 3:13documentingdoing 50:10108:14 109:16drew 3:10269:555:17,18 60:21110:3,10 112:9dried 269:25documents71:19 110:3119:13 120:15270:159:25 10:3 33:2117:5 163:18120:24 131:4drift 52:1533:4,15,18,19175:13 178:17137:12 148:23drill 179:17,1733:20,21 34:1,3192:17,18153:4,17drinker 3:2234:6,19,20,21271:21 272:2161:24 171:18drive 3:2334:21 38:5,9274:24,25171:23,24drives 171:20	300:3 304:4	235:6 261:14	66:7,24 67:19	drafts 89:17
268:14 275:15 300:18 105:4,13,14 drawing 115:4 documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documenting doing 50:10 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20	314:22	264:4 267:18	69:4 99:8	draw 114:6
documented 307:16 308:23 106:16,25 174:13 242:15 59:21 313:24 107:13,14 drenzi 3:13 documenting doing 50:10 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20	documentation	272:3,5 275:8	101:19 102:7	187:21 293:9
59:21 313:24 107:13,14 drenzi 3:13 documenting doing 50:10 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20	268:14	275:15 300:18		drawing 115:4
documenting doing 50:10 108:14 109:16 drew 3:10 269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20	documented	307:16 308:23	· ·	174:13 242:15
269:5 55:17,18 60:21 110:3,10 112:9 dried 269:25 documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20			· ·	
documents 71:19 110:3 119:13 120:15 270:15 9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20	documenting			drew 3:10
9:25 10:3 33:2 117:5 163:18 120:24 131:4 drift 52:15 33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20	269:5	,	· · · · · · · · · · · · · · · · · · ·	dried 269:25
33:4,15,18,19 175:13 178:17 137:12 148:23 drill 179:17,17 33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20				
33:20,21 34:1,3 192:17,18 153:4,17 drinker 3:22 34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20				
34:6,19,20,21 271:21 272:2 161:24 171:18 drive 3:23 34:21 38:5,9 274:24,25 171:23,24 drives 171:20				
34:21 38:5,9 274:24,25 171:23,24 drives 171:20		·	· · · · · · · · · · · · · · · · · · ·	
	· · · · ·			
60:17,20 65:11 280:16 289:7 172:21,22	1	,	· ·	drives 171:20
	60:17,20 65:11	280:16 289:7	172:21,22	

[driving - environment]

1 2027	P 1160	• 14 10 16	4 1
driving 302:7	earlier 116:2	eight 10:16	encountered
drop 49:12	182:25 239:19	either 12:9	148:1
152:19 177:10	250:7	25:15 28:5 48:7	ended 163:22
221:13 267:20	early 70:2	66:19 134:22	165:24 178:13
280:6 284:22	87:13 124:11	213:4 219:13	endometrial
dropping 49:10	224:12 225:5	222:25	191:4 192:9
drug 6:22 7:6	235:25 251:18	electron 73:21	ends 12:15
31:9 43:14 84:7	252:8 253:1,5	157:25 158:12	185:13
138:10 240:7	253:21 255:18	253:17,20	energy 297:7
240:13 241:5	258:12 294:15	254:13,17	engage 28:20
241:22 250:2	308:20	255:4,7 286:10	29:10,10
274:13	earnest 29:24	297:7,13 300:4	enlarge 161:7
due 237:21	30:16 46:13	electronic	ensuing 183:12
253:18 300:12	ease 202:12	273:15	309:24
duly 8:2	easier 14:12	electronics 9:8	ensure 195:8
dunk 229:15	easiest 14:18	element 298:24	enter 309:8
dutch 7:12	east 112:18	elements 39:24	entered 92:14
284:4,20 285:3	easy 165:20	292:22	157:7
287:17 289:14	eclipse 50:1,4	ellodi 15:24	entering 92:13
289:15,19	168:10 211:15	16:4,5,19,24	entire 39:11
290:16,18	edge 297:16	elongate 152:1	47:3 49:1 86:12
292:3 297:5	edit 161:8	296:2,19	110:3 215:12
duties 32:3 43:3	edt 1:14 316:15	elongated	269:5 293:12
43:6,6,16	educate 170:20	130:25 131:25	entirely 150:17
duty 232:5	education	133:1 152:1	254:16
238:4	308:12	else's 222:10	entirety 47:24
dx 267:20	effect 16:12,13	eluded 209:11	51:25
280:10 285:16	16:18 109:13	employ 176:5	entitled 1:9 6:5
e	effective	employee 261:7	6:17 145:15
e 2:1,1 3:1,1 4:1	179:19	employees	160:15 240:9
	effectiveness	37:10 315:7	258:22 260:11
4:8 5:1,3 6:1,3	287:9	enclosed	entity 274:10
7:1,3 8:1,1	effects 41:15,24	258:20 260:9	entries 94:24
25:16,17 33:22	42:7,9 80:15	262:23	entry 225:7
64:2 317:1,1	effort 88:11	enclosure 6:14	environment
318:1,1,1	95:20 151:24	221:18	171:21

[environmental - ewald]

environmental	esq 2:4,4,5,5,10	115:16,20,22	64:8,10 65:1
170:4	2:15,20 3:5,10	117:8,11 118:3	66:8,15,21
epi 10:1 12:13	3:10,17,17,23	174:2 181:5	67:16 68:1,7,10
190:6 315:8	essence 29:17	187:14,18,20	73:16 74:12
epidemiologi	152:4 228:23	188:8,17,22	82:5,10,15,20
147:18 194:13	229:1 230:8	190:24 191:17	83:4 89:19,22
194:18,25	essential 61:13	191:18,19,22	95:10 96:14
195:11 196:23	61:14 67:12	192:12,22	98:25 99:7
311:17	147:7 200:18	193:13,20	100:17 104:7
epidemiologi	established	194:6 195:23	105:6 108:4
198:7	113:17 114:19	196:21,23	113:2 118:15
epidemiology	172:12 295:2	197:20 200:23	120:1,6,14,23
18:23 19:12,14	estimate 53:18	200:24,24	121:21 122:1
39:9 165:13	54:9,10,23,25	203:15 204:10	124:15 125:1
172:17 195:20	et 18:7 19:13	205:13,17	126:10,17,19
195:25 196:3,8	27:18 30:11	225:3 226:4,10	129:8 130:19
196:12,14,18	45:3 59:20 72:5	226:15,24	130:21 131:18
196:24 197:5,6	72:21 73:23	227:11,14,25	132:9 134:3
197:8,22 198:4	89:12 99:16	229:11 230:6	135:16 137:11
198:18 199:9	112:10 123:12	230:19 231:10	137:14 138:12
203:2,9,11,14	225:6 267:9	233:5 235:24	138:19 139:15
203:19 206:12	etiology 304:22	277:12 294:23	140:4,8,21
207:3 225:21	306:11	307:3 312:24	141:7,10,13
epstein 202:19	evaluation 5:15	312:25	142:8 143:2,19
221:11	142:4 242:21	evidentiary	144:4,5 145:4
epstein's	247:25	85:16 306:21	148:8,17 149:2
200:21 211:12	events 85:3	evolved 73:12	150:5,18 152:9
equally 305:20	177:20	ewald 3:17 4:5	152:11,15,23
era 137:3,6,13	everybody 8:12	8:5,7,9,14	153:7 154:3,23
137:16	316:8	11:12,19 12:1	157:6,16
errata 266:8	evidence 37:18	14:6 23:13,16	160:12,21
267:9	60:17 81:20	24:1 31:13,22	161:18 166:20
error 221:3	85:24 86:1	35:20 37:1 38:1	168:1,4,24
errors 287:22	87:15 109:5,18	45:7,20 48:10	169:1 173:7
especially	110:15 111:23	48:21 49:7,9,17	175:7 176:21
300:10	112:15 113:12	50:5,9 63:24	177:3,5,9 178:1

Filed 08/22/24 Page 107 of 164 PageID: 231861

[ewald - exhibits]

288:24 289:21	289:13,15	excused 316:13
290:12 292:12	293:13 298:21	exec 216:25
294:11 295:13	302:16	217:1
296:21 298:6	examination	executive 217:1
299:19 301:1,3	4:3 8:4	241:16
301:10,13,17	examine 162:5	exercised
302:1 303:13	162:8 163:1,5	268:23
304:5 307:5	examined 8:2	exhibit 4:10,11
308:3 310:7	examining	4:12,15,17,19
316:2,6,10,12	225:13	4:21,22 5:4,6,8
exact 22:24	example 19:6	5:12,18 6:4,5,9
54:7,17 72:3	24:2 40:23	6:13,17 7:4,5,8
102:21 198:23	51:21 84:21	7:11,16,18 14:2
264:8 292:10	103:10 125:5	14:3 31:15,18
exactly 12:6	162:23 163:1	45:10,14,16
17:8 21:7 24:21	171:3,22 176:1	48:11,14 64:14
25:9 27:9 29:13	183:23,24	64:22 82:6,7,16
38:21 52:5	184:11 186:16	82:17,23 83:1
58:25 71:3,7	188:2 197:14	83:12 94:9
72:7,24 73:11	217:23 219:1,4	140:18,20
74:11 79:16	219:12 246:11	141:1,12,18
87:12,22 88:1	288:16 292:19	142:1 145:11
90:4 94:19,21	examples	152:18,19
100:24 102:8	272:22	153:11 155:3
104:4 116:24	excellent	159:4 160:13
117:6 148:9	156:11 277:23	160:14 205:2
156:21 157:10	except 24:2	211:22 221:13
158:2,3,9	excerpting	221:17 223:17
162:22 169:11	171:13	240:3,8 249:18
176:11 177:2	excuse 120:8	250:1 279:23
185:12 188:11	130:14 139:12	280:1 285:1
198:9 204:12	148:16 153:1	301:9,11,21
210:1 211:11	159:1 184:24	303:16,18
228:14 245:20	189:13 247:20	exhibits 7:23
248:6 272:1	247:20 281:9	81:17,18 86:3
273:25 289:12		87:20 97:8,13
	290:12 292:12 294:11 295:13 296:21 298:6 299:19 301:1,3 301:10,13,17 302:1 303:13 304:5 307:5 308:3 310:7 316:2,6,10,12 exact 22:24 54:7,17 72:3 102:21 198:23 264:8 292:10 exactly 12:6 17:8 21:7 24:21 25:9 27:9 29:13 38:21 52:5 58:25 71:3,7 72:7,24 73:11 74:11 79:16 87:12,22 88:1 90:4 94:19,21 100:24 102:8 104:4 116:24 117:6 148:9 156:21 157:10 158:2,3,9 162:22 169:11 176:11 177:2 185:12 188:11 198:9 204:12 210:1 211:11 228:14 245:20 248:6 272:1	290:12 292:12 294:11 295:13 296:21 298:6 299:19 301:1,3 301:10,13,17 302:1 303:13 304:5 307:5 308:3 310:7 316:2,6,10,12 exact 22:24 54:7,17 72:3 102:21 198:23 264:8 292:10 exactly 12:6 17:8 21:7 24:21 25:9 27:9 29:13 38:21 52:5 58:25 71:3,7 72:7,24 73:11 74:11 79:16 87:12,22 88:1 90:4 94:19,21 100:24 102:8 104:4 116:24 117:6 148:9 156:21 157:10 158:2,3,9 162:22 169:11 176:11 177:2 185:12 188:11 198:9 204:12 210:1 211:11 198:9 204:12 228:14 245:20 248:6 272:1 293:13 298:21 302:16 examination 4:3 8:4 examine 162:5 162:8 163:1,5 examined 8:2 example 19:6 24:2 40:23 51:21 84:21 103:10 125:5 162:23 163:1 171:3,22 176:1 188:2 197:14 217:23 219:1,4

[exhibits - falls] Page 26

98:10,15 100:1	130:10 138:1,3	extensive	265:4,5
100:9 101:4,11	138:6 170:14	268:23	facts 34:17,18
101:25 102:1,3	170:17 174:4,6	extensively	38:4,6 47:12
exist 116:2	211:10 231:25	84:1	60:16 85:22
246:16	256:17 294:1	extent 78:3	86:17 87:1,11
existence 58:14	expertise	88:22 98:25	87:20 88:10
115:22	108:12,21	179:5 183:1	90:12,18 91:19
exists 89:21	111:4,7 112:13	exterior 224:15	91:19,24 97:4
expand 58:8	133:22 146:4	external 119:23	106:13 107:10
62:6 284:15	146:17,24	158:14	271:3
expanded	147:1,22	externally	factual 133:6
162:11	149:12 150:24	37:12	faculty 20:25
expect 63:11	165:9 179:9	extra 267:4	faegre 3:22
78:3 109:4,14	188:1,6 216:12	extremely	faegredrinker
172:1	283:18 293:3	62:16	3:25
expected 93:2	experts 39:12	eyes 121:6,12	fail 197:16
109:14 173:22	56:19 76:8,19	f	failed 190:19
expenses 50:23	78:8 151:1	f 317:1	198:13
experience 31:8	170:22 195:21	face 32:5 37:9	failing 193:21
45:2,2 77:2	196:7,14	43:4,19 109:22	194:20 195:14
92:7 181:3	216:10	110:15,17	fair 8:20 12:5
expert 4:12,15	explain 125:2	119:17,20	17:23 35:16
21:14 22:4	148:11,19,20	120:22	41:18 42:22
31:15,19 35:8	explained 50:21	facility 11:8	51:1 54:1,19
45:16 51:12	explicit 132:6	fact 62:12,25	72:14 78:10,14
69:20 70:13	exposed 302:8	63:1,4 87:24	78:15 183:4
71:1,25 72:11	exposure 39:21	88:2 125:9	184:21 191:5
72:17 73:2 74:6	40:16 42:10	139:1 150:12	191:11 254:10
74:14 76:12	44:1,5,17	169:9 172:22	263:25 298:5
77:5 79:3 80:8	126:21 205:15	187:12 192:21	302:25
99:2 102:11,16	224:6	197:8,15 220:3	faith 151:5
103:3,8 105:18	exquisite 74:17	237:22 239:8	fall 186:25
105:21,21,23	185:11,18	243:16 244:12	fallacy 263:8
106:8,9,11,14	extended 52:2,3	244:14,24	fallen 121:19
106:15 107:1	251:16	261:7 264:9	falls 121:18
107:14 110:5,7		201.7 204.7	290:10
•	•	•	•

[false - filed] Page 27

false 62:18 205:9,17,19,23 206:5 207:16 195:5 236:24 familiar 73:8 205:24 206:2 207:21 210:23 236:24 264:25 160:1 225:17 207:13 208:11 236:8 253:13 266:9 271:12 239:11 242:8 209:8,14,16 fdca 226:22 271:14 276:2 285:23 210:7 211:22 feature 89:7 277:16 283:9 famous 175:1 213:2,4,8,18 february 293:8,10,10,1 far 33:12 37:14 214:12,22 241:20 268:9 293:19 296:1 39:8 129:15 215:10 216:21 federal 40:21 296:25 148:3 158:12 217:7,16,25 43:14 63:9 fibres 126:21 198:19 254:18 220:11 228:22 84:19 138:10 fibrosity fatal 314:20 229:24,25 274:13 144:11 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12
160:1 225:17 207:13 208:11 236:8 253:13 266:9 271:12 239:11 242:8 209:8,14,16 fdca 226:22 271:14 276:2 285:23 210:7 211:22 feature 89:7 277:16 283:9 famous 175:1 213:2,4,8,18 february 293:8,10,10,1 far 33:12 37:14 214:12,22 241:20 268:9 293:19 296:1 39:8 129:15 215:10 216:21 federal 40:21 296:25 148:3 158:12 217:7,16,25 43:14 63:9 fibres 126:21 198:19 254:18 220:11 228:22 84:19 138:10 fibrosity fatal 314:20 229:24,25 274:13 144:11 315:19 233:23 235:7 feeding 260:22 fibrous 44:6 315:19 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
239:11 242:8 209:8,14,16 fdca 226:22 271:14 276:2 285:23 210:7 211:22 feature 89:7 277:16 283:9 famous 175:1 213:2,4,8,18 february 293:8,10,10,1 far 33:12 37:14 214:12,22 241:20 268:9 293:19 296:1 39:8 129:15 215:10 216:21 federal 40:21 296:25 148:3 158:12 217:7,16,25 43:14 63:9 fibres 126:21 198:19 254:18 220:11 228:22 84:19 138:10 fibrosity fatal 314:20 229:24,25 274:13 144:11 315:19 233:23 235:7 feeding 260:22 fibrous 44:6 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
285:23 210:7 211:22 feature 89:7 277:16 283:9 famous 175:1 213:2,4,8,18 february 293:8,10,10,1 far 33:12 37:14 214:12,22 241:20 268:9 293:19 296:1 39:8 129:15 215:10 216:21 federal 40:21 296:25 148:3 158:12 217:7,16,25 43:14 63:9 fibres 126:21 198:19 254:18 220:11 228:22 84:19 138:10 fibrosity fatal 314:20 229:24,25 274:13 144:11 315:1,4,6,12,16 230:2,6 232:19 feeding 260:22 fibrous 44:6 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
famous 175:1 213:2,4,8,18 february 293:8,10,10,1 far 33:12 37:14 214:12,22 241:20 268:9 293:19 296:1 39:8 129:15 215:10 216:21 federal 40:21 296:25 148:3 158:12 217:7,16,25 43:14 63:9 fibres 126:21 198:19 254:18 220:11 228:22 84:19 138:10 fibrosity fatal 314:20 229:24,25 274:13 144:11 315:1,4,6,12,16 230:2,6 232:19 feeding 260:22 fibrous 44:6 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
far 33:12 37:14 214:12,22 241:20 268:9 293:19 296:1 39:8 129:15 215:10 216:21 federal 40:21 296:25 148:3 158:12 217:7,16,25 43:14 63:9 fibres 126:21 198:19 254:18 220:11 228:22 84:19 138:10 fibrosity fatal 314:20 229:24,25 274:13 144:11 315:1,4,6,12,16 230:2,6 232:19 feeding 260:22 fibrous 44:6 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
39:8 129:15 215:10 216:21 federal 40:21 296:25 148:3 158:12 217:7,16,25 43:14 63:9 fibres 126:21 198:19 254:18 220:11 228:22 84:19 138:10 fibrosity fatal 314:20 229:24,25 274:13 144:11 315:1,4,6,12,16 230:2,6 232:19 feeding 260:22 fibrous 44:6 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
148:3 158:12 217:7,16,25 43:14 63:9 fibres 126:21 198:19 254:18 220:11 228:22 84:19 138:10 fibrosity 144:11 230:2,6 232:19 274:13 144:11 315:1,4,6,12,16 230:2,6 232:19 feeding 260:22 fibrous 44:6 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
198:19 254:18 220:11 228:22 84:19 138:10 fibrosity fatal 314:20 229:24,25 274:13 144:11 315:1,4,6,12,16 230:2,6 232:19 feeding 260:22 fibrous 44:6 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
fatal 314:20 229:24,25 274:13 144:11 315:1,4,6,12,16 230:2,6 232:19 feeding 260:22 fibrous 44:6 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
315:1,4,6,12,16 230:2,6 232:19 feeding 260:22 fibrous 44:6 315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
315:19 233:23 235:7 feel 114:23,24 113:16 129:17 favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
favor 26:17 235:22 236:6 167:6 197:20 129:20,20 116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
116:18 123:24 237:4,21 228:7 261:12 135:2 144:12 257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
257:2 267:25 238:15 239:12 261:14 263:22 144:15,16
300:8 240:22 242:18 281:24 286:21 159:7.8 162:6
,
fda 10:3 32:1 243:24 246:8 289:22 163:2,6 206:4
40:5 43:12 45:2 249:5,24 feels 234:19 207:19 262:25
63:9 71:12 78:8 251:14 252:8 felt 128:3 210:7 268:18 292:5
84:25 91:8 252:18 257:20 female 224:20 292:16,20
112:8 139:19
144:19,22,25 258:10,13 fiber 59:18,22 295:1,4,6,14
150:4,25,25 259:7,9,18,24 72:6 271:10,17 296:16
164:6,11 260:4,8,12,16 274:1 276:8,18 field 139:4
169:24 170:2,2 260:22 262:14 277:6,12,18 146:20 151:11
170:8,10,19,23 263:13 264:9 278:14 297:16 279:11
171:18,19 301:20 302:10 297:18,25 figure 49:19
185:14 187:17 302:12 304:9 300:3 66:23 68:8
192:4,6,11,15 304:11,15,19 fibers 59:23 186:12 271:25
192:18,21 305:5,17,25 61:22 67:15 275:2 279:19
197:18,19 306:13,16 109:13 110:16 figured 305:1
199:13 200:8,9 fda's 81:21 110:16,16 figures 124:4
200:17 201:5 84:23 190:22 124:21 125:19 file 284:20
201:15 202:2 191:3,14 144:13 151:14 filed 22:20
203:23 204:15 202:11,21 172:18 194:7 102:11,16

[filed - forever] Page 28

170:16 215:24 finished 95:9	274:1 276:2,8 folder 97:18	
219:7 148:15,18,23	276:20,23 98:1,3,4 102:1	9
files 35:3 166:8 247:22	277:1,6,12,16 103:3 156:5	
filters 35:16 275:10	277:17 278:14 161:4	
final 53:24 firm 2:3 8:19	282:2 283:4,9 folders 65:18	
finally 232:17 24:10 47:2	286:18 313:22 67:3,6	
find 85:15 first 4:22 5:6	fixated 77:23 folks 240:22	
93:12 117:25 8:2 13:20 17:4	4 fixed 239:8 follow 267:5	
118:7 145:24 22:15 34:15	flamm 219:14 following 318:	5
157:2 169:11 45:9,15,23,25	264:5,6,9 follows 8:3 43:	2
176:23 186:18 46:4,4 47:3,16	6 flash 269:25 292:4	
186:23 187:2 52:1,1 61:21	270:15 food 6:22 7:6	
194:5 199:6,6,9 64:14 67:11	flashing 222:17 31:9 43:14 84:	6
246:15,21 82:11,17 83:1	flaw 314:20 138:10 240:7	
248:25 249:1 85:6,16 86:9,2	25 315:1,4,6,12,16 240:13 241:4	
271:12 87:2 88:11	315:19 241:22 250:2	
finding 62:20 94:12,23	flexibility 274:13	
194:1 204:25 104:17 114:8	144:14 foods 22:23	
288:17 289:4 123:5 128:19	flip 17:16 96:15 footnote 41:6,7	7
findings 224:18 133:5 137:10	flipped 89:25 41:12 86:10	
finds 170:2 190:22 200:14	4 flipping 42:22 176:10 177:13	
fine 57:10 228:10 232:9	floor 3:18 8:18 178:2,3,4 212:	7
63:22 64:8 240:18 267:17	7 florham 3:24 212:12 220:17	
104:8 142:24 270:6 271:18	florida 2:16 226:2	
144:4 148:25 273:9 276:15	flow 43:16 footnotes	
149:16 168:16 280:20 287:12	2 focus 296:8,19 175:23 177:13	
210:2,4 250:23 287:14 304:14	4 focused 86:7 183:12 196:1	
258:17 308:15	186:11 229:24 force 243:19	
finely 264:15 five 50:2 64:7	229:25 305:22 302:6,7 303:8	
finger 147:6 88:2 121:4	306:8 313:1 304:8	
finish 110:11 125:23 135:3	focusing 31:25 forces 109:12	
238:10 259:16 163:11,15	163:9 179:16 foregoing 317:	8
261:20,22 206:20,21	192:4 318:2	
262:10 265:22 207:1,6 271:1	0 foi 213:24 foreign 224:23	
275:12 286:15 271:14,17	fold 157:1 forever 36:6	
313:16 272:20 273:1		

[forget - general]

forget 100:24	formal 115:18	frame 84:1	204:18 253:14
103:23 245:19	224:11,11	framework	280:15 282:17
form 34:12	formally	84:2,7,14	302:2 308:21
36:15 37:22	291:15	146:14 300:2	frozen 152:8
44:18 72:6 73:5	formation	framing 114:22	204:19
73:8 74:9,17,19	176:5	francisco 18:5	full 34:2 58:2
100:10 105:3	formations	frank 219:10	106:20,20
107:16 117:21	173:23	frank's 219:10	126:13,14
129:1 132:3	formatted	free 58:17	fully 16:18
133:23 135:10	280:23	228:7 262:25	252:14 253:7
138:5,15	formed 22:25	264:11 281:24	255:11 285:25
139:10 144:20	former 205:11	286:21 287:24	304:20 306:9
147:4 155:25	forms 129:21	freedom 305:19	fundamental
167:13 173:3	159:8 171:22	freeway 3:5	71:13 72:22
179:10 181:8	193:9	frequent 224:6	75:15
183:16 185:1	forth 42:22	226:11	funds 20:1
188:4 196:4	184:6 309:23	fresh 153:24	further 23:20
201:21 203:7	forward 64:3	front 8:23,24	27:8 62:14
204:2 206:15	87:16 222:21	12:4 14:13,18	118:10 204:22
233:13 234:1	fought 235:17	14:19 45:13	264:3 290:23
234:22 236:18	found 59:25	48:24 56:24	furthermore
238:2 246:9	63:13 85:21	57:2 63:23 64:1	268:25
253:15 254:11	109:1 157:8	64:18,20 65:4,5	g
255:21 256:19	187:9,10,11,12	65:7,12,23	gained 300:8
261:8 263:2	187:15,16,17	66:24 67:3,7,15	game 278:3
264:1 270:7,14	202:9 204:25	67:18,24 68:14	game 278.3 gaps 75:6,18
271:24 277:7	232:19 256:16	91:11 94:10	gaps 73.0,18 gary 219:14
277:14 278:24	274:16 291:9	106:4 111:1	264:5
288:18 289:6	299:9 308:21	113:4 121:4	gee 139:3
290:1 291:18	fourth 7:9	122:5 131:4	•
292:8,20 294:4	280:3	142:10,25	general 8:21 9:3,5 12:2 28:8
294:6 295:8	fragments	143:14 161:7	28:11 32:24
296:16 298:2	41:23 42:4,6,14	161:20 167:24	
306:14 309:25	42:19	167:25 174:9	35:5,7,9,11 36:2 38:25 39:4
312:15	fragrances	175:11,16	44:25 70:4 71:6
	241:24	182:20 201:5	44.23 /0.4 /1.0

[general - go] Page 30

Document 33115-4 PageID: 231866

71:16 73:12,17	133:16 134:12	94:2 114:13	go 9:7 13:6
73:19,23 74:1	geologists 75:12	115:18 118:20	15:25 16:2,11
74:18 75:3 77:8	146:25 147:9	118:23 123:7	17:3 19:3 23:20
79:6,9,24 84:14	148:7 149:15	124:12 133:7	26:15 31:14
84:24 123:8	149:22,24	152:25 153:9	35:21 38:15,17
132:18 178:21	151:10 163:19	156:13,16,21	39:23 40:3 41:5
183:5,5 187:24	169:25 170:9	161:6 162:11	42:15,23 43:8
219:16,17,19	170:10,24	168:18 175:10	45:8,14 49:3,22
242:3 264:10	173:17,21	175:20 176:19	63:20 64:12
generally 11:21	geology 59:13	179:13 183:24	68:5 70:21
12:11 20:3 25:1	72:18 75:3,5,9	186:7,20,20	75:14 80:23
73:7 79:7,18	75:15,19 76:11	190:14 194:2,3	85:2 86:1 87:25
92:19 97:19	76:18,20	198:22 204:12	88:4,12,13
105:7,17 119:9	109:11 149:17	209:2 219:22	91:13 96:11,11
272:4 273:17	169:2,16	221:14 223:3	97:7,11,14
273:20,21	170:22 172:15	244:1,7 246:12	100:22 109:7
generation 70:1	172:23	257:8,25	112:8,23 113:6
generic 125:18	gerber 22:23	265:19 281:14	116:19 118:10
genital 205:15	gerel 2:10	281:14 285:17	118:11 119:5
224:15 226:12	getting 89:23	given 76:24	125:11 126:7
gentlemanly	94:4 101:14,16	83:18 163:10	130:12,22
278:19	162:21 217:7	172:24 235:20	135:19 136:6
geography	236:7 295:21	242:2	152:16 153:21
121:3	gettings 302:6	gives 30:25	159:17 161:14
geological	304:7	132:14 156:19	162:3 164:12
74:15,22 76:15	gilbertson	157:4 201:10	168:14 169:3
122:10 127:23	242:7,9,13,18	giving 114:14	169:19 171:16
136:8,19	243:9 245:25	166:14,14	172:11 174:13
137:19 145:22	246:7 247:5,14	274:5 276:3	175:16 180:22
151:18 169:20	247:17 248:4	glad 305:21	185:6,11,14,17
170:4,20	305:5	glimpse 168:9	190:3 193:25
171:21 173:23	give 9:3,5 10:6	glossary 122:9	200:4,14 203:9
geologically	24:23 26:6	136:8,19	204:21 205:8
171:2	30:21 37:7,24	137:19 138:24	208:2,2 209:1
geologist 75:23	53:11 54:5 58:8	139:4 143:4,18	209:19 213:24
75:24 131:17	61:19 77:19	143:20 151:8	215:21 217:3,4

Page 31 [go - groups]

219:1 221:4	49:5,20,24,24	303:25 305:1	grade 62:2
222:22 223:12	50:10 51:13	310:25 313:7	155:9 224:7
227:13 228:13	57:11 59:3	313:10 314:7	268:21
231:21 234:14	63:11 66:1	gold 251:5	grades 173:1
243:16,17	73:21 74:5	golkow 11:15	gradually
244:6 245:16	77:10 78:2	golomb 2:20,20	264:12
245:22,22	81:25 87:1 90:8	golomblegal	grainy 92:10
246:3,24	90:12,17 91:1	2:22	gram 77:21
248:10 250:19	112:16,25	good 8:6,7,25	great 9:6 13:10
251:7 254:4	119:10,18	13:20,24,25	61:10 64:4 73:7
256:10,11	121:23 128:16	14:1 15:1 26:25	75:9,12 129:21
257:17 262:12	136:20 137:25	29:18 49:3 54:5	151:24 164:3
262:13 263:14	142:14 145:25	58:20 87:9,23	180:24 181:2
264:2,3 266:5	146:1,2 147:10	99:12 111:16	201:10,10
276:15 283:22	151:16 152:18	111:23 112:4	223:20 235:24
283:23 288:9	154:1 158:24	112:22 151:5	241:14 299:6
290:4,17	161:10 165:23	157:5,12 164:6	305:16
293:11 294:17	167:9 178:10	168:8 184:11	grind 62:12
305:1 306:17	178:23 179:11	189:10,18	110:19
310:15,16	179:12 182:7	197:14 304:24	grinding 61:23
goal 29:20	187:17 189:2	314:19	62:5,7 80:6
88:21 95:4	191:13 192:3	gosen 171:18	265:1,2 313:19
gods 277:9	196:16,17	171:24 172:21	grinds 62:1
goes 32:2 40:8	198:18,22	173:5,11	ground 264:15
67:11 103:1	201:24 202:21	gotten 220:7	264:18 269:17
106:2,3 117:24	206:9 213:25	government	269:24
149:21 169:17	221:23,25	17:5,9 18:19	group 125:18
225:2 290:8	222:9,21,23	21:10 22:5,11	140:12 143:6
291:14 292:2	228:24,25	22:21 23:8	145:8 150:9,23
292:13 297:4	232:11 246:20	25:21 29:8	151:24 159:9
297:12	249:14 250:12	30:17 63:9 81:2	170:16 193:8
going 8:8,22	254:5 265:2,17	84:19 107:21	193:11 243:22
9:7 13:19 16:13	274:18 286:17	124:8 151:2	295:21 296:7
22:14 36:25	288:20 296:9	308:13,17	296:18
39:20 42:8,21	296:10,11,12	gradations 71:4	groups 147:20
45:10 48:10	300:25 301:8		302:14,19
106:2,3 117:24 149:21 169:17 225:2 290:8 291:14 292:2 292:13 297:4 297:12 going 8:8,22 9:7 13:19 16:13 22:14 36:25 39:20 42:8,21	206:9 213:25 221:23,25 222:9,21,23 228:24,25 232:11 246:20 249:14 250:12 254:5 265:2,17 274:18 286:17 288:20 296:9 296:10,11,12	government 17:5,9 18:19 21:10 22:5,11 22:21 23:8 25:21 29:8 30:17 63:9 81:2 84:19 107:21 124:8 151:2 308:13,17	269:24 group 125:18 140:12 143:6 145:8 150:9,23 151:24 159:9 170:16 193:8 193:11 243:22 295:21 296:7 296:18 groups 147:20

[growing - help] Page 32

growing 205:13	308:11	284:14 306:18	43:5,20,25
growth 144:12	happen 187:24	307:21	44:16 60:15
144:15	279:13 302:22	hard 19:2 79:16	109:21,25
grunerite 127:7	happened	92:9 143:10	142:2 147:11
128:23	15:11,15 109:3	harlow 225:24	147:24 148:5
guess 9:15	147:17 223:6	harm 202:13	149:13,20
24:20,20,22	236:13 246:3	harmful 295:16	150:4 151:13
30:1 34:8 35:16	247:10 248:16	harmonization	151:22 208:13
46:15,22 62:10	284:11	242:19	208:19 209:24
68:1 80:21 99:4	happening	hart 3:4	230:16,22
103:25 125:22	211:15	hartge 198:25	231:14 233:11
178:22 185:24	happens 28:3	246:13	240:2,9 305:16
195:19 217:22	29:21 187:23	hate 37:24	306:2 308:12
270:18	happy 9:1,2,12	hazard 32:5	309:16 310:9
guidance 47:10	9:22,23 10:3,21	40:7,14,19 41:1	311:15,19
guidances	11:3,7,10 13:6	41:22 42:2,3	hear 70:13
31:10 43:15	13:14 14:15	43:5,20,25	270:12
gulf 3:5	20:6 26:7,23	44:12,16	heard 70:15,17
guys 211:14	30:21 39:9 40:2	147:11,24	130:16
223:1	42:18,25 49:23	208:19 209:24	hearing 107:12
h	64:5 78:9 83:17	230:17,22	166:23 245:3
h 4:8 5:3 6:3	107:19 108:3	231:14 233:11	hearings 86:6
7:3 260:15	109:7 111:21	hazardous	heck 119:19
318:1	111:24,25	149:8 171:1	held 8:13 49:16
habit 127:6	119:5 122:8	251:16	153:25 154:4
128:22 130:24	124:1,4 127:16	hazards 147:19	168:13 169:24
131:25 132:25	127:23 128:3	148:5	174:24 220:6
144:12,15	128:14 131:16	head 22:7 62:22	223:7 239:11
hain 22:23	131:16 136:7	101:25 104:6	265:20 275:22
half 168:12	144:6 145:5	164:10 245:15	299:17 309:23
hand 53:2,5	148:11 168:18	263:10	help 8:8 49:6
126:13 182:16	182:23 187:8	heading 197:14	93:20 98:19
handling 39:13	196:11 218:3	290:4	137:16 154:2
handwritten	222:16,19	health 5:12	176:23 216:15
186:24 187:1	234:7,9 246:12	6:18 20:10 32:5	249:9
100.2 . 107.1	256:21 257:8	41:15,23 42:7,9	

[helped - identification]

Page 33

helped 68:19	174:19 176:22	279:1 285:25	234:2
helpful 10:7	189:10 216:2	hours 50:22	hypothetically
32:22 45:11	217:21 237:4	52:21 53:12,19	233:4
66:4 76:10,13	263:12 299:11	54:2,5,6,11	i
208:7 250:17	hit 298:23	55:3 57:4,6	iarc 5:14 84:23
hesitating	hitting 50:2	88:18,24	123:3,7,22
25:25	hold 9:12 10:21	128:11 135:23	123.3,7,22
hey 29:8 96:9	28:11 50:8	254:8 307:19	124:17,19,22
152:25 184:4	62:11 67:1	house 68:18	125:14 126:1,2
211:14	120:6 126:25	69:3 271:1	126:3,5,24
high 54:13	134:7 161:13	275:2	127:8,13 128:1
88:18 144:13	162:20 171:6	houston 3:6	128:1,8 129:4
224:19 302:12	198:20 208:3	huge 220:4	130:1,4 131:23
higher 262:18	212:8,8 219:3	human 44:3	133:8 134:23
highlighted	222:18 247:1	45:4 149:20	141:15 142:3
94:14,25	248:24 257:19	150:3 151:22	193:12
highlighting	269:22 282:20	202:5 302:9	iarc's 125:14
95:17 96:16	286:7 294:12	humans 5:16	129:25 193:1
152:21,22	294:13,13	142:5 193:3	idea 96:20,21
highly 241:13	301:14 303:22	251:16	237:12 303:9
305:15,15	homan 284:20	humor 279:2	312:8
hill 39:5,10	honest 76:15	hundred	identification
histological	110:8 125:7	162:12	14:5 31:21
196:22	honorable	hundreds 78:18	45:19 48:16
historians	255:2	78:19 92:15,15	64:24 82:9,19
20:14	hope 45:5	hutchinson	83:3 141:6
historical 138:1	177:25 195:17	112:9 183:25	142:7 153:16
138:4 184:6	291:1	184:10 185:12	160:18 205:6
261:13 300:1	hopefully 44:2	187:11,12,19	221:21 240:15
historically	47:11 76:13	188:3,19	250:4 252:17
113:22 233:24	horton 219:17	hydrous 291:17	253:10 255:15
266:23 267:16	host 176:7	hypothetical	280:4 281:1
history 22:14	hour 49:21	37:7,8,16,23	285:7 301:24
75:5,9 85:13	50:22 112:17	231:20,23	303:21
107:5 139:3	168:12 265:13	232:2,21	303.21
167:18 173:2	265:22 267:14	233:16,18,20	

Golkow Technologies, A Veritext Division

Document 33115-4 PageID: 231870

[identified - initial]

• 1 400 1		06.12	• • •
identified	implored 183:6	86:13	indication
159:22 183:14	imply 148:5	includes 87:20	37:11
295:15	245:24	142:11 270:2	individual 53:3
identify 44:11	implying 243:4	including 23:3	144:24 164:3
95:21 96:25	import 96:13	81:16 169:23	217:15 244:16
165:2 190:18	124:12 163:8	172:24 225:21	298:22
255:19	164:6	240:24	individuals
identifying	important 17:1	incomplete	144:24 147:20
97:7 98:19	101:20 107:9	37:23 234:2	induced 71:15
identity 27:1	108:23 109:25	inconceivable	industry 31:10
image 91:21	111:12 139:7	261:24	32:2 43:12,15
imaging 94:4	174:1 183:2	inconsistent	58:12 236:2
imerys 32:17	185:22 306:7	105:13,20	239:1 243:22
33:3,17,20	impossible	incontroverti	244:4,5 246:2
34:11,20,24	264:19	187:20	247:9 253:22
37:6,13 176:16	impression	incorporated	256:7 261:2
274:11 300:2,6	310:2	300:7,22	262:19 269:1
immediately	improper	incorrect 291:2	315:17
21:19	119:12,18	increase 149:25	industry's
impact 137:16	120:7	164:2 198:6	61:18
171:13 186:1	improved	increased	inertia 309:6
impacts 62:15	62:25	195:13 224:5	infection 77:21
186:9	improvement	increases	inferences
imperative	263:6	226:12	36:20,22
309:6	impurity	increasing	inflammatory
implicate	292:15	163:19	71:14,15
107:23	inch 9:16	independent	information
implicates	incidence	40:19,24 41:1	85:11,13
233:8	256:15	41:22 42:2	193:17 283:2
implicating	incidents	44:12 244:15	informative
310:3	183:11	independently	149:7 157:9
implications	include 123:16	203:10	ingredient 91:4
20:10 149:20	125:21 195:25	index 143:21	inhalation
150:3 151:13	240:22 300:7	indicated	251:15
implied 247:5	included 12:9	214:14 266:3	initial 4:21
_	59:19 82:2		46:24 82:8 88:9
	C 11 T	I	1

[initialed - issued]

Page 35

initialed 219:8	interagency	interrelations	158:21 173:22
initially 186:3	140:11 143:6	171:20	210:15 211:1
initiated 27:21	145:8 150:9,22	interrupting	212:17 213:10
injurious 40:7	151:24	153:2	213:12,13,16
inorganic 75:21	interest 208:14	intersect 170:3	214:3 215:3
insensitive	interested	intersection	216:3 217:13
273:6	55:21 57:13	76:13,25 77:15	218:9
inside 158:10	100:25 103:17	intimating	involvement
insisted 60:13	107:10 170:18	237:20	75:7 211:3
instance 98:18	184:13 243:19	introduction	239:20
instantaneous	244:3,7 302:6	126:22	involves 77:14
46:10	303:7 304:8	invest 298:13	involving 25:25
institute 277:6	interesting	investigate	ipad 89:25 90:3
institution 33:8	232:22	304:20	121:5 222:5,10
institutional	interface 31:25	investigating	ipads 89:6
20:24	43:11 138:7	306:10,25	iron 292:25
instruction	170:22,24	investigation	isolated 177:20
234:18	interim 5:20	252:24 255:17	isrtp 242:1
instructions	153:13 155:5	investigations	issuance 57:18
163:10	internal 33:17	111:12	105:1 210:11
instrument	33:21,22,22	investment	issue 27:13
298:17	37:9 150:13	75:15	32:13 37:7 42:1
insufficient	218:1 287:16	invoice 4:17	51:11 52:18
205:17	290:20 303:5	48:11,14 51:1	56:17 149:19
intend 42:12	internalized	51:18,19,22	166:19 179:25
196:1 268:25	309:23	52:5,11,12,18	180:3 201:14
intended	international	53:15	213:3 220:15
268:19 313:14	5:13 6:20 142:2	invoices 51:6	235:9 236:25
intending 95:18	197:23 240:5	51:11 52:24	237:1 241:19
intense 17:22	240:11 241:25	54:15,16	262:22 264:16
intent 12:22,22	242:19	invoke 303:3	284:11 286:10
120:19 214:11	internet 152:13	involve 71:24	286:19,20
237:21 311:5	interplay	216:18	302:11 303:2
312:17	196:24	involved 38:13	306:7,13
intentionally	interpret 52:13	70:11 75:16	issued 51:6
312:9		76:22 78:20	56:7 105:9

Document 33115-4 PageID: 231871

[issued - johnson]

160:8 237:23	159:19 167:7	279:16 298:14	160:17,17
issues 28:12	179:7 181:17	314:23	301:18,23
29:15 38:15,19	187:13,14	j4 165:1	303:17,20,20
38:25 39:4,5,14	194:21 197:2	j4-1 58:15 59:2	jnjmx68 5:21
39:23,25 44:13	199:14 205:25	61:18 62:22	5:22 153:14,15
107:20 169:20	206:14 230:8	63:12 155:14	155:4
170:6 183:3,15	235:1 236:2	155:17 159:5	job 13:24 18:21
184:16 213:20	244:2 260:19	159:22,23	21:3 34:15
213:22 214:21	260:22 261:7	160:2 166:15	313:15
215:5,7 296:23	267:16 270:1	166:24 167:1	jobs 306:6
304:13,19	270:10,16,20	235:8 239:1,8	307:13
306:23	270:25 271:20	262:23 268:18	john 3:17 11:6
issuing 52:24	272:14 274:5,9	268:24 269:2	23:10 48:17
italian 291:6	274:15,15,16	270:1,5 315:17	49:5 64:5 66:3
iwg 140:4,5	274:17,20	jack 3:17	66:9 67:20
iwgacp 5:8	275:2,4,17	jake 49:11 50:5	89:14 119:21
141:2,19	276:3 277:13	50:10 126:11	126:8,16 137:8
144:22 169:23	279:19 282:8	141:7 152:18	140:17 141:11
170:15 293:12	287:16 289:14	153:7 177:9	148:14 152:8
295:15	290:10,20,23	178:9 204:23	152:25 154:1
j	294:2,22	221:16 248:20	176:15 189:13
	300:17,18	248:25 267:19	219:13,20
j 1:10 317:4,14 j&j 33:2,10	303:5,5 309:13	280:6 284:22	221:25 223:11
34:4,10,19,24	309:17 310:20	301:1 303:13	231:6 234:16
35:7,17 37:20	311:6,6,21	james 281:5	267:5 275:9
58:11 59:13,17	312:9,12	january 17:6	295:11 301:9
59:24 61:6	313:24 315:6	17:10 18:12,19	johns 35:14
113:21,24	315:17	21:11 24:16	johnson 1:3,3
115:14 116:8	j&j's 87:1	25:21 30:18	5:18,18 7:11,11
116:10 123:10	114:10 117:13	81:3 241:20	24:3,3 32:16,16
123:11 128:1	117:17 119:8	jersey 1:1,12	66:12,12 81:19
150:13 157:11	123:7,11	3:24 317:8	85:25,25 86:8,9
157:20 158:3	124:14 129:19	jewald 3:19	116:5,5,16,16
157.20 138.3	129:24 132:13	jkeester 3:20	153:11,12
158:19 159:3	155:1,23	jnj 6:7,8 7:17	203:5,5 268:9,9
130.17 137.3	174:16 256:16	7:19,20 113:12	268:22,22
-	•	•	•

[johnson - know]

272:11,11,12	182:3 206:9	kevin 280:5,5	19:22,23,25,25
272:13 273:10	222:2 236:14	key 84:15,17,18	20:7,23,24,25
273:10,13,13	237:6 250:21	92:21 147:13	21:20,22 22:3
277:5,5 283:13	252:4 254:5,5	293:17 298:24	22:11,12,14,15
283:13 284:20	265:16 305:1	314:14	22:20,23,25
284:20 285:1,2	314:15	kick 121:9	23:21 24:19,22
287:20,20	keester 3:17	kicked 308:2	25:2,17 29:19
311:25,25	49:11 50:7	kind 42:18	30:9,10,12 31:1
johnson's 81:19	126:15,18	56:13 91:21	31:5,7,10 32:11
287:18	141:9,11	97:18 100:12	32:12 33:1,6,7
joint 241:21	248:24 250:23	109:11 116:19	33:8,11 34:14
242:21 247:24	267:21 280:8	136:25 242:12	34:23 35:8,11
joke 121:10	280:11	252:23 299:23	36:7,8,21 37:10
279:4	kelli 2:5	kindly 160:19	39:4,10,11 40:1
journal 241:19	kept 57:21	222:6	40:4,6,21 41:2
judgments 36:9	59:24 66:17	kinds 73:24,25	42:17,18 45:3,4
julie 169:10,13	98:6 309:14	165:16	46:6,8,10 49:9
169:14 177:1	311:12	king 3:16	50:1 51:16,17
july 7:19	kessler 1:9 4:4	knew 57:10	52:14 55:19
		1	
243:19 269:3	4:11,13,15 8:6	63:2 69:22 72:7	56:23,24 57:10
243:19 269:3 303:19 304:7	4:11,13,15 8:6 14:4,9 23:12	63:2 69:22 72:7 72:25 74:11	56:23,24 57:10 57:22 58:2,2,8
	· · ·		
303:19 304:7	14:4,9 23:12	72:25 74:11	57:22 58:2,2,8
303:19 304:7 jump 18:2	14:4,9 23:12 31:19 45:17	72:25 74:11 79:17 187:13	57:22 58:2,2,8 58:22,25 59:11
303:19 304:7 jump 18:2 146:2 160:25	14:4,9 23:12 31:19 45:17 48:19 49:6	72:25 74:11 79:17 187:13 211:12 230:5	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11 jumps 23:24	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19 99:8 119:13	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4 307:7 310:20	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25 62:1,1,5,15
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11 jumps 23:24 june 30:7	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19 99:8 119:13 120:15,24	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4 307:7 310:20 310:21,25	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25 62:1,1,5,15 63:7 68:24 69:5
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11 jumps 23:24 june 30:7 176:18 177:16	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19 99:8 119:13 120:15,24 131:4 137:12	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4 307:7 310:20 310:21,25 311:1,6,6,25	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25 62:1,1,5,15 63:7 68:24 69:5 69:21,25 70:10
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11 jumps 23:24 june 30:7 176:18 177:16 304:9	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19 99:8 119:13 120:15,24 131:4 137:12 148:23 153:4	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4 307:7 310:20 310:21,25 311:1,6,6,25 314:6,7	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25 62:1,1,5,15 63:7 68:24 69:5 69:21,25 70:10 71:5,9 72:4,20
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11 jumps 23:24 june 30:7 176:18 177:16 304:9 jurisdiction	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19 99:8 119:13 120:15,24 131:4 137:12 148:23 153:4 153:17 161:24	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4 307:7 310:20 310:21,25 311:1,6,6,25 314:6,7 know 9:16,21	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25 62:1,1,5,15 63:7 68:24 69:5 69:21,25 70:10 71:5,9 72:4,20 72:22 73:21
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11 jumps 23:24 june 30:7 176:18 177:16 304:9 jurisdiction 138:10 k	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19 99:8 119:13 120:15,24 131:4 137:12 148:23 153:4 153:17 161:24 177:23 223:23	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4 307:7 310:20 310:21,25 311:1,6,6,25 314:6,7 know 9:16,21 10:19 12:12,17	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25 62:1,1,5,15 63:7 68:24 69:5 69:21,25 70:10 71:5,9 72:4,20 72:22 73:21 74:14,17,25
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11 jumps 23:24 june 30:7 176:18 177:16 304:9 jurisdiction 138:10 k k 8:1	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19 99:8 119:13 120:15,24 131:4 137:12 148:23 153:4 153:17 161:24 177:23 223:23 231:11 234:18	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4 307:7 310:20 310:21,25 311:1,6,6,25 314:6,7 know 9:16,21 10:19 12:12,17 12:23,24,24 13:2,10,12 14:19 15:14,18	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25 62:1,1,5,15 63:7 68:24 69:5 69:21,25 70:10 71:5,9 72:4,20 72:22 73:21 74:14,17,25 75:4 76:5 77:22
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11 jumps 23:24 june 30:7 176:18 177:16 304:9 jurisdiction 138:10 k k 8:1 keep 49:23,24	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19 99:8 119:13 120:15,24 131:4 137:12 148:23 153:4 153:17 161:24 177:23 223:23 231:11 234:18 267:6 299:20	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4 307:7 310:20 310:21,25 311:1,6,6,25 314:6,7 know 9:16,21 10:19 12:12,17 12:23,24,24 13:2,10,12	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25 62:1,1,5,15 63:7 68:24 69:5 69:21,25 70:10 71:5,9 72:4,20 72:22 73:21 74:14,17,25 75:4 76:5 77:22 78:18 79:1,4,14
303:19 304:7 jump 18:2 146:2 160:25 182:21 267:13 jumping 49:11 jumps 23:24 june 30:7 176:18 177:16 304:9 jurisdiction 138:10 k k 8:1	14:4,9 23:12 31:19 45:17 48:19 49:6 63:18 64:1 66:7 66:24 67:19 99:8 119:13 120:15,24 131:4 137:12 148:23 153:4 153:17 161:24 177:23 223:23 231:11 234:18 267:6 299:20 316:14	72:25 74:11 79:17 187:13 211:12 230:5 234:25 264:23 274:17 299:4 307:7 310:20 310:21,25 311:1,6,6,25 314:6,7 know 9:16,21 10:19 12:12,17 12:23,24,24 13:2,10,12 14:19 15:14,18	57:22 58:2,2,8 58:22,25 59:11 59:12,16,18,18 59:19,22 60:20 61:1,4,5,13,25 62:1,1,5,15 63:7 68:24 69:5 69:21,25 70:10 71:5,9 72:4,20 72:22 73:21 74:14,17,25 75:4 76:5 77:22 78:18 79:1,4,14 79:15,16,25

[know - lack] Page 38

86:14 87:4,5,7 87:8 89:5 90:6 87:8 89:5 90:6 91:1,2 92:6,7,8 91:1,2 92:6,7,8 92:18 93:10,18 93:20 94:10,19 96:10,18 99:14 100:22 101:7 101:24 102:5,6 105:17,25 105:17,25 106:1,18,20 107:2,8,11 108:8 109:8,19 110:18 112:14 125:15 128:11 129:13,16 122:18,14 124:6 123:12 223:5 131:21,22 135:6 136:15 137:15 145:21 137:15 145:21 146:13,15,19 155:17,22 166:17,25 166:17,25 166:17,25 172:10,11 175:171:5,17 175:171:5,17 175:171:5,17 175:10,11 175:171:2,20 173:20 178:25 179:24 279:13 280:14 179:1,12,20 173:20 178:25 182:10 185:1,2,4,12,25 185:10 187:2 298:12,12,17 298:12,12,14 209:13,10 305:15,20 306:1,22,24 306:1,2,2,4 306:1,2,2,4 306:1,2,2,4 30:1,10 30:1,10 30:1,10 30:1,10 30:1				
91:1,2 92:6,7,8 92:18 93:10,18 93:20 94:10,19 96:10,18 99:14 100:22 101:7 101:24 102:5,6 105:17,25 106:1,18,20 107:2,8,11 108:8 109:8,19 110:18 112:14 115:6,25 120:9 122:8,14 124:6 125:15 128:11 129:13,16 130:13,14 130:13,14 130:13,24 1	86:14 87:4,5,7	180:5,7,12,21	294:9,20,20	1
91:1,2 92:6,7,8 92:18 93:10,18 185:10 187:2 187:16,16,21 188:6,11 303:14 302:24 303:14,11 305:15,20 306:1,22,24 100:22 101:7 197:14,21 307:1,7,12 308:22 310:15 312:2,2,4 313:4 105:16 198:23,24 106:1,18,20 201:5,10 207:13 209:3 10:18 112:14 215:1,2,4,12,25 110:18 112:14 215:1,2,4,12,25 122:15:15 (22):1,5,13,14 125:15 (22):1,5,13,14 129:13,16 233:15 235:4,5 130:13,16 235:22 236:8 131:2,22 135:6 136:15 235:22 236:8 131:2,22 135:6 136:15 242:10 253:19 242:10 253:19 137:15 145:21 255:1 256:3,4 146:13,15,19 256:22 257:13 151:7 155:11 259:14 260:6 17,25 166:17,25 266:17,25 276:23,273:2 166:17,25 276:24 277:23 278:8,10,19,20 173:20 178:25 140:22 173:20 178:25 172:10,11 273:20 178:25 120:11 173:20 178:25 179:10 173:20 178:25 179:10,11 278:8,10,19,20 173:20 178:25 140:22 179:13 280:14 110:22 115:10 270:19 180:14 10:22 115:10 270:	87:8 89:5 90:6	184:4 185:2,8,9	295:10 297:23	1 8.1
92:18 93:10,18 187:16,16,21 188:6,11 192:18 195:10 192:18 195:10 195:11 197:8 305:15,20 306:1,22,24 307:1,7,12 307:1,7,13 48.81 237:1,7,13 48.81 237:1,7,13 48.81 237:1,7,13 48.81 307:1,7,14 307:1,7,12 307:1,7,12 307:1,7,12 307:1,7,13 307:1,7,14 313:2,3,25 314:8,12 315:8 48.88 48.88 49.91 307:1,7,14 307:1,7,14 307:1,7,12 307:1,7,12 307:1,7,12 307:1,7,13 307:1,7,14 307:1,7,12 307:1,7,12 307:1,7,12 307:1,7,13 307:1,7,14 313:2,3,25 314:8,12 315:8 48.88 319:9 312:12 307:2,303:19	91:1,2 92:6,7,8	185:10 187:2	298:12,12,17	
93:20 94:10,19 188:6,11 192:18 195:10 195:11 197:8 305:15,20 306:1,22,24 label 65:12 68:14 226:6 230:15 231:12 232:12,19 labeled 5:10,21 67:7:17,19 labeled 5:10,21 67:17,19 labeled 5:10,21 67:7:17,19 labeled 5:10,21 67:17,19 labeled 5:10,21 67:7:17,19 labeled 5:10,21 67:17,19 labeled 5:10,21 67:17,19 labeled 5:10,21 67:17,19 labeled 5:10,21 67:7:17,19 labeled 5:10,21 67:7:1	92:18 93:10,18	187:16,16,21	301:4 302:24	
96:10,18 99:14 100:22 101:7 101:24 102:5,6 197:14,21 103:14 105:16 105:17,25 109:2,8 200:22 106:1,18,20 201:5,10 207:13 209:3 108:8 109:8,19 110:18 112:14 115:6,25 120:9 122:8,14 124:6 124:7 125:15 129:13,16 130:13,16 130:13,16 131:21,22 135:6 136:15 137:15 145:21 146:13,15,19 151:7 155:11 155:17,22 166:17,25 166:17,25 173:24 166:17,25 173:24 170:5 171:5,17 172:10,11 173:20 178:25 173:24 274:7,23 275:4 173:23 275:14 170:5 171:5,17 172:10,11 173:20 178:25 199:2,8 200:22 1306:1,22,24 1308:22 310:15 1308:22 201:5,10 131:22,24, 313:4 131:23,25 131:23,25 131:48,12 315:8 131:23,25 131:48,12 315:8 131:23,24 131:23,24 131:24 131:23,24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 131:24 1308:22 310:15 131:23,25 131:48,12 315:8 131:23,25 131:48,12 315:8 131:23,25 131:48,12 315:8 14000000000000000000000000000000000000	93:20 94:10,19	188:6,11	303:1,4,11	
100:22 101:7	96:10,18 99:14	192:18 195:10	305:15,20	, and the second
101:24 102:5,6 103:14 105:16 105:17,25 106:1,18,20 107:2,8,11 108:8 109:8,19 110:18 112:14 115:6,25 120:9 122:8,14 124:6 125:15 128:11 129:13,16 131:21,22 135:6 136:15 137:15 145:21 146:13,15,19 155:17,22 166:17,25 166:17,25 166:17,25 166:17,25 172:10,11 170:5 171:5,17 172:10,11 173:24 170:14,21 201:5,10 207:13 209:3 201:5,10 207:13 209:3 201:5,10 312:2,2,4 313:4 313:23,25 314:8,12 315:8 231:12 232:12,19 242:10,11 23:23:23 23:13:12 232:12,19 232:12,19 232:12,19 232:12,19 232:12,19 232:12,19 242:10,21 230:15 231:12 232:12,19 232:12,19 242:10,21 230:15 231:12 232:12,19 232:12,19 242:10,21 230:15 231:12 232:12,19 242:10,21 230:12 230:19 241:4 153:14 260:16 25:1:2 230:12 230:19 241:4 153:14 250:12 230:12 230:12 230:19 241:4 153:14 250:12 230:12 230:12 230:19 241:4 153:14 250:12 230:12 230:12 230:19 241:4 153:14 250:12 230:12 230:12 230:19 241:4 153:14 250:12 230:12 230:12 230:19 241:4 153:14 250:12 23:12 232:12,19 232:12,19 232:12,19 242:10,21 230:12 230:19 241:4 153:14 250:12 23:12 232:12,19 242:10,21 23:12 23:12 232:12,19 242:10,21 23:12 23 23:12,4 23:12 23:12 23:12,19 23:12,19 24:14:4 153:14 160:16 25:1:2 230:12 23:12 23:12,19 24:14:4 153:14 160:16 25:1:2 230:12 23:12 23:12,19 24:14:4 153:14 160:16 25:1:2 230:12 23:12 23:12,19 23:12,19 23:12 24 23:12,20 23:12,19 23:12 24 23:12 23:12 23:12,19 23:12 25 23:12,19 23:12 23:12 23:12,19 23:12 24 23:12 23:12 23:12,19 23:12 24 23:12 23:12 23:12,19 23:12 24 23:12	100:22 101:7	195:11 197:8	306:1,22,24	,
103:14 105:16 198:23,24 308:22 310:15 105:17,25 199:2,8 200:22 312:2,2,4 313:4 106:1,18,20 201:5,10 313:23,25 107:2,8,11 207:13 209:3 314:8,12 315:8 108:8 109:8,19 211:11 213:23 knowing 130:9 110:18 112:14 215:1,2,4,12,25 216:11,18 115:6,25 120:9 216:11,18 knowingly 122:8,14 124:6 221:2 223:5 229:1,5,13,14 125:15 128:11 233:15 235:4,5 37:19 56:9 71:4 129:13,16 235:22 236:8 72:23 73:2,11 130:13,16 235:22 236:8 73:23 75:1 79:5 131:21,22 237:4,10,15,23 79:6,10 80:2 137:15 145:21 254:16,18,25 146:13 220:10 145:25 146:12 255:1 256:3,4 233:23 237:10 155:17,22 261:10,12,13 318:4 157:3 158:20 263:12 264:13 13:14 11:14 160:21 162:2 264:21,22,23 166:17,25 272:3,3 273:2 167:12,6 170:1 274:7,23 275:4 170:5 171:5,17 275:24 277:23<	101:24 102:5,6	197:14,21	307:1,7,12	
105:17,25 199:2,8 200:22 312:2,2,4 313:4 232:12,19 106:1,18,20 207:13 209:3 313:23,25 314:8,12 315:8 314:8,12 315:8 6:7 7:17,19 108:8 109:8,19 211:11 213:23 215:1,2,4,12,25 216:11,18 215:1,2,4,12,25 312:12 6:7 7:17,19 141:4 153:14 160:16 251:12 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 160:16 251:12 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 160:16 251:12 160:16 251:12 301:22 303:19 140:12 2 30:20 140:12 2 30:20 140:12 2 30:20 140:12 2 30:20 140:12 2 30:20 140:13 20:10	103:14 105:16	198:23,24	308:22 310:15	
106:1,18,20 201:5,10 313:23,25 314:8,12 315:8 314:8,12 315:8 6:7 7:17,19 6:7 7:17,19 141:4 153:14 160:16 251:12 6:7 7:17,19 141:4 153:14 160:16 251:12 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 301:22 303:19 141:4 153:14 160:16 251:12 301:22 303:19 140:12 2 301:22 140:12 2 301:22 140:13 20:10	105:17,25	199:2,8 200:22	312:2,2,4 313:4	
107:2,8,11 108:8 109:8,19 110:18 112:14 115:6,25 120:9 122:8,14 124:6 124:7 125:15 129:13,16 130:13,16 131:21,22 135:6 136:15 137:15 145:21 145:25 146:12 145:25 146:12 155:17,22 166:17,25 155:17,22 166:17,25 166:17,25 166:17,25 166:17,25 177:210,11 173:20 178:25 108:8 109:8,19 211:11 213:23 215:12,24,12,25 216:11,18 221:2 223:5 229:1,5,13,14 231:24 232:21 231:24 232:21 231:24 232:21 231:24 232:21 231:25 23 73:2,11 231:21,22 237:4,10,15,23 237:4,10,15,23 237:4,10,15,23 242:10 253:19 254:16,18,25 136:13 242:10 253:19 256:22 257:13 259:14 260:6 261:10,12,13 263:12 264:13 264:21,22,23 267:23 268:12 272:3,3 273:2 272:3,3 273:2 278:8,10,19,20 173:20 178:25 173:20 178:25	106:1,18,20	201:5,10	313:23,25	′
108:8 109:8,19 211:11 213:23 knowing 130:9 110:18 112:14 215:1,2,4,12,25 173:24 160:16 251:12 115:6,25 120:9 216:11,18 215:1,2,4,12,25 216:11,18 230:22 303:19 122:8,14 124:6 221:2 223:5 229:1,5,13,14 231:24 232:21 237:19 56:9 71:4 231:19 56:9 71:4 129:13,16 233:15 235:4,5 72:23 73:2,11 73:23 75:1 79:5 79:6,10 80:2 221:20 labels 199:15 130:13,16 235:22 236:8 237:4,10,15,23 83:18 109:11 146:13 220:10 233:23 237:10 158:21 298:23 137:15 145:21 254:16,18,25 79:6,10 80:2 70:3 110:23 158:21 298:23 145:25 146:12 255:1 256:3,4 233:23 237:10 233:23 237:10 233:23 237:10 238:14 60:21 233:23 237:10 233:37 8:5 110:22 150:2 158:19,23 155:17,22 261:10,12,13 263:12 264:13 113:14 125:22 158:19,23 165:4 183:18 160:21 162:2 264:21,22,23 267:23 268:12 272:3,3 273:2 53:14 111:14 257:2 289:9 166:17,25 275:24 277:23 278:8,10,19,20 3:20 18bels 15 16c:15 205:4 <td>107:2,8,11</td> <td>207:13 209:3</td> <td>314:8,12 315:8</td> <td>,</td>	107:2,8,11	207:13 209:3	314:8,12 315:8	,
110:18 112:14 215:1,2,4,12,25 173:24 160:16 251:12 115:6,25 120:9 216:11,18 221:2 223:5 312:12 301:22 303:19 122:8,14 124:6 221:2 223:5 229:1,5,13,14 221:2 23:5 229:1,5,13,14 231:24 23:21 237:19 56:9 71:4 231:24 23:21 237:19 56:9 71:4 231:23 73:2,11 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 233:23 237:10 231:23 20:10 233:23 237:10 231:23 20:10 233:23 237:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 231:23 20:10 <td< td=""><td>108:8 109:8,19</td><td>211:11 213:23</td><td>knowing 130:9</td><td>,</td></td<>	108:8 109:8,19	211:11 213:23	knowing 130:9	,
115:6,25 120:9 216:11,18 knowingly 122:8,14 124:6 221:2 223:5 301:22 303:19 124:7 125:15 229:1,5,13,14 knowledge 125:15 128:11 231:24 232:21 knowledge 37:19 56:9 71:4 72:23 73:2,11 72:23 75:1 79:5 79:6,10 80:2 131:21,22 237:4,10,15,23 83:18 109:11 135:6 136:15 242:10 253:19 137:15 145:21 254:16,18,25 83:18 109:11 146:13,15,19 256:22 257:13 151:7 155:11 259:14 260:6 233:23 237:10 155:17,22 261:10,12,13 160:21 162:2 264:21,22,23 166:17,25 272:33, 273:2 166:17,25 272:33, 273:2 170:5 171:5,17 275:24 277:23 172:10,11 278:8,10,19,20 173:20 178:25 279:13 280:14	110:18 112:14	215:1,2,4,12,25	173:24	
122:8,14 124:6 221:2 223:5 312:12 knowledge 6:15 205:4 124:7 125:15 229:1,5,13,14 231:24 232:21 72:23 73:2,11 221:20 221:20 129:13,16 233:15 235:4,5 72:23 73:2,11 73:23 75:1 79:5 130:13,16 235:22 236:8 79:6,10 80:2 120:31:20	115:6,25 120:9	216:11,18	knowingly	
124:7 125:15 229:1,5,13,14 231:24 232:21 37:19 56:9 71:4 221:20 129:13,16 233:15 235:4,5 72:23 73:2,11 73:23 75:1 79:5 73:23 75:1 79:5 131:21,22 237:4,10,15,23 79:6,10 80:2 70:3 110:23 135:6 136:15 242:10 253:19 83:18 109:11 146:13 220:10 137:15 145:21 254:16,18,25 233:23 237:10 146:13 220:10 145:25 146:12 255:1 256:3,4 233:23 237:10 318:4 151:7 155:11 259:14 260:6 233:23 237:10 318:4 157:3 158:20 263:12 264:13 13:14 125:22 158:19,23 160:21 162:2 264:21,22,23 267:23 268:12 53:14 111:14 257:2 289:9 166:17,25 272:3,3 273:2 274:7,23 275:4 275:24 277:23 278:8,10,19,20 279:13 280:14 3:20	122:8,14 124:6	221:2 223:5	312:12	
125:15 128:11 231:24 232:21 37:19 56:9 71:4 129:13,16 233:15 235:4,5 72:23 73:2,11 130:13,16 235:22 236:8 73:23 75:1 79:5 131:21,22 237:4,10,15,23 79:6,10 80:2 135:6 136:15 242:10 253:19 83:18 109:11 145:25 146:12 254:16,18,25 83:18 109:11 146:13,15,19 256:22 257:13 256:22 257:13 151:7 155:11 259:14 260:6 known 23:17 155:17,22 261:10,12,13 59:12 63:4 157:3 158:20 263:12 264:13 13:14 125:22 160:21 162:2 264:21,22,23 knows 23:12 166:17,25 272:3,3 273:2 53:14 111:14 264:24 264:24 170:5 171:5,17 275:24 277:23 kslaw.com 3:19 172:10,11 278:8,10,19,20 3:20 173:20 178:25 279:13 280:14	124:7 125:15	229:1,5,13,14	knowledge	
129:13,16 233:15 235:4,5 72:23 73:2,11 130:13,16 130:13,16 235:22 236:8 72:23 73:2,11 131:21,22 131:21,22 237:4,10,15,23 79:6,10 80:2 130:13 10:23 158:21 298:23 135:6 136:15 242:10 253:19 254:16,18,25 233:23 237:10 146:13 220:10 158:21 298:23 145:25 146:12 255:1 256:3,4 233:23 237:10 233:23 237:10 233:23 237:10 258:15 63:3,3 151:7 155:11 259:14 260:6 261:10,12,13 259:12 63:4 110:22 150:2 155:17,22 261:10,12,13 263:12 264:13 113:14 125:22 160:21 162:2 264:21,22,23 264:21,22,23 267:23 268:12 23:14 111:14 257:2 289:9 166:17,25 272:3,3 273:2 264:24 264:24 264:24 257:2 289:9 170:5 171:5,17 275:24 277:23 278:8,10,19,20 3:20 158:10 270:19 173:20 178:25 279:13 280:14 3:20 15:10 270:19	125:15 128:11	231:24 232:21	37:19 56:9 71:4	
130:13,16 235:22 236:8 73:23 75:1 79:5 130:13,16 73:23 75:1 79:5 130:13,16 131:21,22 135:6,10 80:2 131:0:23 135:6,10 80:2 131:0:23 135:6,10 80:2 131:10:23 131:0:23 131:0:23 131:0:23 131:0:23 131:0:23 131:0:23 131:0:23 131:0:23 158:21 298:23 135:21 298:23 145:21 298:23 145:21 298:23 145:21 298:23 145:21 298:23 145:21 298:23 145:21 298:23 145:21 298:23 145:21 298:23	129:13,16	233:15 235:4,5	72:23 73:2,11	
131:21,22 237:4,10,15,23 79:6,10 80:2 70:3 110:23 135:6 136:15 242:10 253:19 83:18 109:11 158:21 298:23 137:15 145:21 254:16,18,25 146:13 220:10 233:23 237:10 145:25 146:12 255:1 256:3,4 233:23 237:10 233:23 237:10 151:7 155:11 259:14 260:6 known 23:17 59:12 63:4 155:17,22 261:10,12,13 263:12 264:13 113:14 125:22 160:21 162:2 264:21,22,23 knows 23:12 158:19,23 166:17,25 267:23 268:12 53:14 111:14 257:2 289:9 166:17,25 272:3,3 273:2 274:7,23 275:4 krekeler 178:23 170:5 171:5,17 275:24 277:23 kslaw.com 3:19 lack 27:16 172:10,11 279:13 280:14 3:20 90:14 110:22	130:13,16	235:22 236:8	73:23 75:1 79:5	
135:6 136:15 242:10 253:19 83:18 109:11 158:21 298:23 137:15 145:21 254:16,18,25 233:23 237:10 233:23 237:10 258:15 63:3,3 146:13,15,19 256:22 257:13 318:4 259:14 260:6 259:14 260:6 259:14 260:6 259:12 63:4 259:12 63:4 110:22 150:2 158:19,23 158:19,23 165:4 183:18 165:4 183:18 266:11,14 257:2 289:9 165:4 183:18 266:11,14 257:2 289:9 1abs 158:21 298:23 158:21 298:23 158:21 298:23 158:21 298:23 158:21 298:23 158:21 298:23 158:21 298:23 158:21 298:23 158:15 63:3,3 73:3 78:5 110:22 150:2 158:19,23 165:4 183:18 266:11,14 257:2 289:9 165:4 183:18 226:11,14 257:2 289:9 1abs 158:21 298:23 165:4 183:18 10:22 150:2 158:19,23 165:4 183:18 226:11,14 257:2 289:9 1abs 158:14,15 299:5 1ack 27:16 90:14 110:22 115:10 270:19 173:20 178:25 279:13 280:14 279:13 280:14 3:20 115:10 270:19 115:10 270:19 115:10 270:19	131:21,22	237:4,10,15,23	79:6,10 80:2	
137:15 145:21 254:16,18,25 146:13 220:10 233:23 237:10 58:15 63:3,3 146:13,15,19 256:22 257:13 318:4 58:15 63:3,3 73:3 78:5 151:7 155:11 259:14 260:6 261:10,12,13 261:10,12,13 59:12 63:4 110:22 150:2 157:3 158:20 263:12 264:13 13:14 125:22 166:22 166:4 183:18 166:17,25 272:3,3 273:2 264:24 264:24 257:2 289:9 167:1,2,6 170:1 275:24 277:23 275:24 277:23 278:8,10,19,20 3:20 15:10 270:19 173:20 178:25 279:13 280:14 279:13 280:14 15:10 270:19	135:6 136:15	242:10 253:19	83:18 109:11	
145:25 146:12 255:1 256:3,4 233:23 237:10 58:15 63:3,3 146:13,15,19 256:22 257:13 318:4 73:3 78:5 151:7 155:11 259:14 260:6 known 23:17 10:22 150:2 155:17,22 261:10,12,13 59:12 63:4 110:22 150:2 157:3 158:20 263:12 264:13 113:14 125:22 165:4 183:18 160:21 162:2 264:21,22,23 knows 23:12 26:11,14 166:17,25 272:3,3 273:2 274:7,23 275:4 krekeler 178:23 170:5 171:5,17 275:24 277:23 kslaw.com 3:19 3:20 173:20 178:25 279:13 280:14 3:20 90:14 110:22	137:15 145:21	254:16,18,25	146:13 220:10	
146:13,15,19 256:22 257:13 318:4 73:3 78:5 151:7 155:11 259:14 260:6 known 23:17 110:22 150:2 155:17,22 261:10,12,13 59:12 63:4 113:14 125:22 158:19,23 160:21 162:2 264:21,22,23 knows 23:12 165:4 183:18 166:17,25 272:3,3 273:2 53:14 111:14 257:2 289:9 167:1,2,6 170:1 274:7,23 275:4 krekeler 178:23 labs 158:14,15 172:10,11 278:8,10,19,20 3:20 90:14 110:22 173:20 178:25 279:13 280:14 3:20 115:10 270:19	145:25 146:12	255:1 256:3,4	233:23 237:10	
151:7 155:11 259:14 260:6 known 23:17 155:17,22 261:10,12,13 59:12 63:4 157:3 158:20 263:12 264:13 113:14 125:22 160:21 162:2 264:21,22,23 knows 23:12 164:22,23 267:23 268:12 53:14 111:14 166:17,25 272:3,3 273:2 264:24 170:5 171:5,17 275:24 277:23 krekeler 178:23 172:10,11 278:8,10,19,20 3:20 173:20 178:25 279:13 280:14 3:20	146:13,15,19	256:22 257:13	318:4	,
155:17,22 261:10,12,13 59:12 63:4 157:3 158:20 263:12 264:13 113:14 125:22 160:21 162:2 264:21,22,23 knows 23:12 164:22,23 267:23 268:12 53:14 111:14 257:2 289:9 264:24 167:1,2,6 170:1 274:7,23 275:4 170:5 171:5,17 275:24 277:23 172:10,11 278:8,10,19,20 173:20 178:25 279:13 280:14 59:12 63:4 113:14 125:22 knows 23:12 53:14 111:14 257:2 289:9 labs 158:14,15 299:5 lack 27:16 90:14 110:22 115:10 270:19	151:7 155:11	259:14 260:6	known 23:17	
157:3 158:20 160:21 162:2 164:22,23 166:17,25 167:1,2,6 170:1 172:10,11 173:20 178:25 263:12 264:13 264:21,22,23 267:23 268:12 272:3,3 273:2 274:7,23 275:4 275:24 277:23 278:8,10,19,20 279:13 280:14 113:14 125:22 knows 23:12 53:14 111:14 257:2 289:9 labs 158:14,15 299:5 lack 27:16 90:14 110:22 115:10 270:19	155:17,22	261:10,12,13	59:12 63:4	
160:21 162:2 264:21,22,23 knows 23:12 164:22,23 267:23 268:12 53:14 111:14 257:2 289:9 166:17,25 272:3,3 273:2 264:24 krekeler 178:23 170:5 171:5,17 275:24 277:23 kslaw.com 3:19 299:5 172:10,11 278:8,10,19,20 3:20 90:14 110:22 173:20 178:25 279:13 280:14 115:10 270:19	157:3 158:20	263:12 264:13	113:14 125:22	,
164:22,23 267:23 268:12 53:14 111:14 166:17,25 272:3,3 273:2 264:24 167:1,2,6 170:1 274:7,23 275:4 krekeler 178:23 170:5 171:5,17 275:24 277:23 kslaw.com 3:19 172:10,11 278:8,10,19,20 3:20 173:20 178:25 279:13 280:14	160:21 162:2	264:21,22,23	knows 23:12	
166:17,25 272:3,3 273:2 264:24 167:1,2,6 170:1 274:7,23 275:4 krekeler 178:23 170:5 171:5,17 275:24 277:23 kslaw.com 3:19 172:10,11 278:8,10,19,20 3:20 173:20 178:25 279:13 280:14	164:22,23	267:23 268:12	53:14 111:14	,
167:1,2,6 170:1 274:7,23 275:4 krekeler 178:23 275:24 277:23 kslaw.com 3:19 3:20 279:13 280:14 279:13 280:14 279:19	166:17,25	272:3,3 273:2	264:24	
170:5 171:5,17 172:10,11 173:20 178:25	167:1,2,6 170:1	274:7,23 275:4	krekeler 178:23	,
172:10,11 173:20 178:25 278:8,10,19,20 279:13 280:14 3:20 279:13 280:14 90:14 110:22 115:10 270:19	170:5 171:5,17	275:24 277:23	kslaw.com 3:19	
173:20 178:25 279:13 280:14 115:10 270:19	172:10,11	278:8,10,19,20	3:20	
179:1,12,20 284:16,19,19	173:20 178:25	279:13 280:14		
	179:1,12,20	284:16,19,19		115.10 2/0.17

[lack - list] Page 39

Document 33115-4 PageID: 231875

202.1		1111011	10 1 010 4 A
283:1	leanna 2:5	114:13,14	liability 1:5
laid 61:2	learn 57:13,15	115:6,7 232:23	38:24 299:9
lake 219:15	57:18,24 58:2	legions 309:5,5	license 1:11
language	learned 20:16	leigh 2:4 63:24	317:15
138:25 152:1,3	185:3 254:7	223:12	lie 297:15
laptop 121:18	302:7	leigh.odell 2:7	life 14:11 77:1
large 9:15,19	learning 255:2	lessons 20:16	78:5 101:6
10:14,15 11:9	313:2	letter 6:13	185:3
65:2 215:23	learns 58:7	209:18 210:11	lift 14:10
225:3 288:15	leave 17:9 18:1	210:13,16	light 59:12
largely 241:19	18:4,12,16,16	211:25 212:25	109:18 198:4
larger 10:20	32:10,11 54:16	213:25 221:13	198:12 203:14
48:19 153:6	94:20 95:1	221:17 227:12	203:19 207:2,2
161:11 250:13	164:8 179:25	228:14,16	limit 276:9
late 158:6 167:7	195:20 196:13	230:20 231:11	281:20
230:5 271:6	202:25 206:5	238:24 251:24	limitations
272:8 308:20	219:5 236:15	253:19 258:2	166:25 198:9
309:3,22	237:1	262:5 266:19	199:3 291:5
lateness 279:1	leaves 316:8	308:11 309:12	limited 246:18
latest 62:3	leaving 18:19	309:22	300:10,14
laura 103:15	24:15 30:17	letters 212:19	linda 219:17
170:13 171:4	81:2 96:16	220:19,23,24	line 37:11 43:10
171:12	led 111:11	letting 49:15	43:10 46:21
law 2:3 8:19	lee 100:6 107:5	161:16	57:10 71:7
lawyer 11:2	107:22,24	level 10:8 83:19	89:10 128:16
26:7 27:2,6	274:17	236:9 250:10	128:16 318:6
38:23 40:11	left 17:5 19:17	264:19 282:4	lines 102:10
277:23	25:21 84:9	283:6 289:2	link 147:10,18
lawyers 32:12	119:13 121:7	302:12	linking 147:23
69:9	121:15 154:17	levels 258:25	list 4:21 12:10
lead 22:22	190:3 211:20	291:9	12:16,16,21
170:6 185:4,4	legacy 20:15	levin 2:15	13:5,11 47:16
219:21	22:9,19 23:6	levinlaw.com	47:17,24 60:10
leader 305:19	24:17	2:17	67:6 82:2,8
leading 62:18	legal 2:20 13:12	lewin 184:16	83:6,11 94:16
_	40:10 96:2		95:3 96:5,11

[list - looking]

Page 40

61			
122:5,7 123:6	lived 79:15	88:19 89:11	264:2,4,24,25
123:25 124:2,7	living 149:16	91:16 92:17	267:24 271:4
174:4 185:9,19	llp 2:10 3:4,16	93:20,22 94:8	276:1 282:14
228:15 240:18	3:22	96:24 103:5,7	285:10,18,22
240:21 256:21	local 172:23	103:11 109:3	286:1 292:16
256:24 267:7	173:25 176:12	112:5,7 116:7	293:18 294:14
295:17	localized	122:22 124:2	296:9,10
listed 81:24	177:19	125:9,10,12	297:11,16
97:1 151:7	located 8:16	126:5 130:11	298:21,22
241:1	65:24	131:16 136:6	299:6 301:5
listen 189:2	lock 181:6	136:24 137:1,2	307:22 311:17
listening	long 9:5 39:11	137:3,4,18	312:23,24
312:21	69:2 83:14	139:16 143:5	313:18,20,21
lists 13:13	129:18 144:13	147:15 160:1	313:22,23
literally 96:1	216:1 231:24	163:16 164:24	314:9 315:24
literature 42:1	312:5	165:17 167:5	looked 35:3
42:6 44:24	longer 22:14	167:17 170:19	39:17 41:25
191:8 236:6	longo 103:11,18	172:4 175:6	54:1 84:22,23
258:20	103:20 104:18	178:12 179:22	87:10,11 93:14
litigation 1:5	104:21,21,24	180:12,22	96:4 103:16
21:15 33:16	105:4,8,13,14	181:10,15	107:3 119:13
51:12,15,20	106:16 107:13	187:7,9,10,11	159:23 170:11
111:9	109:5,16 110:3	188:15,16	200:20 213:9
little 19:2 26:14	110:10 278:22	197:20 200:16	214:15 300:16
49:21 51:14	279:6,9 288:16	200:18 204:7	looking 10:8
69:4 84:12 91:3	longo's 108:14	204:15 205:11	11:1 14:21 22:2
122:19 154:2	289:4	209:25 222:10	25:1 27:7 31:9
157:10 161:11	look 9:1,2 11:1	228:13 235:6	44:9 51:2 63:22
161:21 162:16	11:22 30:6 31:5	238:7,13,15,16	85:8 88:9 89:3
172:3 179:14	34:6 36:5 37:17	238:16,24	93:7 102:25
179:25 183:8	40:5 46:20	243:2,17	103:12 121:14
191:12 192:17	61:24,25 62:17	244:12,16	121:14 126:20
228:22 250:13	63:8 66:10,13	245:17 246:4	131:11 147:21
254:20 267:14	66:20 77:20,23	246:11,14	154:17 160:10
280:17,23	81:10 84:24	248:6,11,11,24	168:6 170:18
285:21 290:22	85:17 88:5,17	249:5 260:24	175:6,8,15

[looking - marketplace]

180:16 189:16	m.d. 1:9 4:4,13	115:11,23	manufacturing
220:22 238:18	4:15 31:19	119:16 120:17	61:6 314:10
293:14 297:23	45:17 316:15	121:23 130:17	margaret 2:4
307:11	ma'am 142:24	131:11 142:12	156:16 249:8
looks 28:13	made 7:12 15:8	146:4 150:6	mark 14:2
lose 202:12	36:9 102:18	151:17 160:25	31:14 45:10
lost 222:3,7	115:8 187:13	161:11 178:2	48:10 64:14
lot 8:24 11:3	231:17 242:2	184:25 200:6	82:5,15,23 89:8
38:15 45:5	244:14,15	218:12 228:15	140:21 141:12
71:12 73:13	248:9 271:10	240:3 243:5,11	141:14,15,16
86:2,15 87:18	272:17 273:6	250:12 266:13	152:17 155:3
116:9 119:19	276:25 285:3	266:23 268:19	160:12 221:12
131:14 139:17	magnesium	269:19 276:19	249:17 279:22
139:18,21	291:17 292:6	277:18 285:20	279:23 301:8
165:14 169:7	292:15,23,24	291:13 296:12	303:15
181:14 186:21	292:25	300:15	marked 14:4
275:14 278:6	mail 25:16,17	makes 179:6	31:20 45:18
307:9	64:2	230:1 304:25	48:15 64:23
love 26:20 53:7	mails 33:22	307:9 314:17	82:8,19 83:3
251:5 307:16	main 143:4	making 19:15	88:5 89:24 90:1
low 62:16	major 33:10	34:9 35:5,25	90:3,9,10 141:5
lowest 300:9,14	207:16 244:20	36:13 106:16	142:6 145:11
luck 50:6	majority 86:19	149:4 203:3	153:15 160:18
lunch 112:19	97:23 256:15	233:21 247:7	205:6 211:21
luzenac 33:17	make 8:9 12:20	management	221:21 223:16
33:20 34:11	12:22 13:11	59:18,23 300:3	240:14 250:4
37:6,9,10,13	14:10,11 26:8	manager	280:3 285:6
271:6 272:5,7	27:15 28:20	223:25	301:23 303:21
273:19 274:10	34:16 35:18	managing	market 2:21
300:5	36:3,5,18,20,24	59:23	3:11 235:3
lying 297:24	36:24 37:3 43:9	manufacture	309:15 311:13
m	56:11 59:3 85:8	35:12	312:14
m 2:4 3:10,10	86:1 87:4,25	manufacturers	marketing 1:4
3:23 8:1	96:4,9 106:14	32:1 43:11	marketplace
3.23 0.1	108:13 112:2	199:14 262:15	259:2
	112:21 113:3		

[marking - mean]

Page 42

marking 91:22	86:13 90:20,23	matthew 99:25	69:2 70:2,4,8
140:17	94:14,15 95:21	101:3	71:15 73:20
mary 174:5,11	96:17 99:2	mccrone	75:2,2,11,16
177:10 178:10	101:3 158:16	186:17 187:6,9	76:14,20 77:9
mas 1:2	172:7 174:3	187:15,16,17	78:4,19,21,22
mask 283:13	175:15 308:16	271:1,11	78:25 79:11,15
312:10 313:7	math 53:11	272:14 275:15	79:18 80:12
314:12	165:3,21	275:16,23,25	83:24 84:3,16
masked 61:7,12	288:20	mdl 1:2 22:25	85:2 87:6,17
61:22 63:14	matrix 298:18	26:1,13 27:7,12	88:4,19 90:2,4
67:15 263:20	matt 100:3	27:14,23,24	90:5,6,25 91:10
265:5 272:18	106:25	28:6,7,18,20	93:7,8 94:7
298:25 314:3	matter 1:10	29:6,14 30:3	96:12 97:16
masking 61:11	12:3 22:13,17	52:8,9 81:16	98:6,12 99:12
61:16	23:20,23 24:17	92:1,24 93:11	99:13,18
mass 199:11	26:5 27:23	93:17 174:4	100:22,24
masterful	29:24 30:17	214:24	101:5,7,10,14
261:25	31:16 38:8,11	mean 10:13	101:20 102:19
match 244:11	39:6,17 40:5,10	11:19 14:11	103:10,11,21
245:14	41:17 47:25	16:10,22 17:15	103:22,23
matches 127:15	48:8 52:17	17:16,19 18:1	104:12 105:5
128:1 210:1	53:20 56:7,19	19:11,25 20:6	105:14,16,25
material 62:4	75:7 87:16	20:15,23 25:11	106:2 109:19
155:12 172:2	92:16 102:12	26:10 27:22	109:19,25
252:11 268:16	102:16 107:10	29:9,19,25	114:3 115:8,17
274:6 293:24	151:1 170:23	32:25 33:6	116:9 117:6
materials 4:19	211:1,3 215:19	34:17,22 35:1	122:21,24
4:23 5:6 8:22	216:9,12,16,19	36:9 38:20,24	123:13 125:8
8:24 10:18 11:3	317:10	40:19,20,22	129:15 131:7,8
12:7,9 13:3,5	matters 20:24	41:6,25 42:3	131:21 135:1,1
44:6 47:15,17	22:8,9,10 23:3	43:8 44:2 52:14	138:20,21,25
47:23 60:7,10	23:6 25:7 27:2	53:8 55:13,14	139:1 140:1
64:1,16,17,18	39:8,16 106:1	56:18,23 57:1,8	144:23 145:16
64:20,23 66:14	111:13 212:18	58:12 60:11,11	147:15 148:3
82:1,12,18,21	213:11,12	61:2,4,12 63:6	152:2 156:11
83:2,5,10,20	214:4 267:1	68:24,25,25	157:23 158:4,4

Golkow Technologies, A Veritext Division

Document 33115-4 PageID: 231879

[mean - method]

158:11 159:18	244:8 245:5	mechanisms	mention 214:17
160:6 162:16	246:11 247:6	70:9 71:14	mentioned
164:1,15,21,22	253:16,18	192:19	10:10 47:9
164:22 165:13	254:12,14	media 78:13,16	50:17 97:25
165:25 170:1,6	257:13 262:1,1	median 62:10	119:21 126:6
171:16,17	269:14 270:22	medical 19:3,10	182:25 305:9
172:2 173:15	271:16 275:1	39:17 45:1	mentor 20:25
173:16,19,25	275:17,22	146:13 165:14	merit 129:22
174:18,20	276:3 277:22	191:8	130:7
175:9 176:14	278:12,20	meet 68:22	merits 128:4,8
177:25 179:24	288:21,22	69:8 163:14,16	128:12
180:4,6 181:10	290:8 295:18	meeting 171:18	merkatz 241:1
181:13,18	300:21 303:2,4	242:2 243:24	305:12,14,16
185:21 186:11	304:24 306:16	244:10 245:1,3	306:3,19 307:9
188:9,24	306:25 308:20	245:8,21 246:1	mesh 22:18
191:20 192:15	308:22 310:5	246:3 247:11	62:14 313:10
192:16 193:9	310:14,17	248:17 268:24	313:10
194:1,20	311:7,10 313:2	269:3 303:5	meshes 110:20
195:10,13	313:3,11 314:4	304:8 306:5	mesothelioma
197:9,17	314:13,23	meetings 69:15	69:23
198:23 199:7	meaning 60:14	169:22,24	message 28:9
200:15 201:5	136:4 137:5,23	302:12,18	met 62:20
201:13 203:9	138:22 139:5	303:4 307:10	261:11 304:11
203:14 204:7	151:12 196:8	memo 268:9	metabolic
205:10,13	meanings 51:16	291:15 303:6	20:11
207:9,13,13,15	means 48:22,23	memorandum	metamorphic
213:3 214:1,4	93:3 101:6	7:16,18 287:16	173:1 177:20
215:18,20	137:7,17 139:8	290:20 301:21	method 58:15
216:2,3,17,18	198:10 276:13	303:18	58:21 59:2,3
217:19 218:3	317:23	memory 25:12	61:18 62:23
220:5 221:4,7,9	meant 71:2	25:14 31:3	63:12 78:12,17
228:25 230:5	91:25 134:22	84:21 210:3	160:2 161:24
232:5,8,22	136:5,23 148:4	memory's	236:4 263:3
235:15,16,17	149:6 151:14	214:5	268:18 270:13
235:20 236:23	254:25	memos 33:22	279:16 282:8
238:4,17 239:6		264:4	282:12 283:7

[method - misbranded]

283:13,14 77	:11,14,17,18	232:3 233:7	144:17 155:8
287:10,25 77	:18 78:6,7,17	250:15 307:23	160:3,15
291:3 297:2 78	:24 155:21	308:4	161:25 162:6,9
298:4 300:12	7:25 158:12	mine 152:21	163:3,6 251:19
314:18,19	5:10 253:17	162:10 172:24	251:22,25
methodology 25	3:21 254:13	179:18	252:3,18
73:3 262:20 25	4:17 255:4,7	mine's 280:22	253:11 255:15
273:4 276:23 26	0:25 273:16	mined 59:15	259:1 262:16
methods 5:9 28	3:18 286:10	mineral 125:19	268:10,13,22
63:1,4 73:9,12 28	7:9 297:7,14	125:21 144:10	269:8 281:2
73:14,18,24 30	0:4	144:11 176:2	282:3 283:4
74:8 141:3 mid	54:2 253:1	291:22 292:15	291:20 292:1
155:23 176:18 mid	dle 259:15	mineralization	295:24 296:15
177:15 252:17 mill	65:13	176:3 177:16	mines 172:5,8
253:10,24 mill	er 268:10	mineralogical	180:8 181:7
255:14,18 mill	ette 276:11	151:19 170:4	202:7 264:11
256:8 263:24 27	6:24 277:19	236:24 261:5	264:12,17
273:1 291:8,23 27	8:7,8,9,17	mineralogically	minimized
299:15 312:9 27	9:8,10,20,21	171:2	239:2
metrics 289:12 27	9:24 281:5	mineralogist	mining 59:20
289:18 28	3:1	75:25 131:17	80:10 174:17
michelle 2:10 milli	ing 61:23	133:17 134:12	179:7 180:20
micron 62:9 62	:8 80:6	mineralogists	274:2
microns 110:19 31	3:19	146:25 147:8	minor 266:7
265:1 mill i	on 17:21	148:7 149:15	minus 62:14
microscope 7:9 milli	ons 93:11	149:22,24	110:20
73:22 77:22 93	:14	151:9	minute 222:1
158:16 254:14 min	d 53:6,8	mineralogy	224:21 286:6
280:2,21 86	:2 87:25	76:11,20	minutes 50:3
microscopic 11	3:23 114:23	108:15 172:16	64:7 119:24
151:20 261:5	7:8 140:16	225:4 283:18	209:2 242:18
microscopist 14	1:16 153:18	minerals 6:6	243:18 244:2
76:3,6,12 78:2	8:12,19	72:5 125:23	265:14 286:18
278:9,17	2:11 204:14	127:5 128:21	misbranded
microscopy 20	4:25 205:1	130:23 131:24	114:11 115:11
76:21 77:5,7,9 22	7:1 231:12	132:24 135:3	115:15,24

[misbranded - needs]

116:6 117:14	modification	mouse 154:19	navigate 48:24
118:8,13,18	16:21	mouth 104:12	91:16 92:2
199:15 294:3	moment 24:11	move 249:2	nctr 71:23
misbranding	35:22 80:22	moved 98:6	near 177:21
114:20	148:22 153:1,9	moving 28:13	necessarily
mischaracteri	168:17 174:14	mparfitt 2:12	21:19 115:2
117:22	203:1 206:5	multiple 34:5	211:5
misguided	222:8 237:2	91:18 99:20	necessary
232:7	242:15 287:22	musser's	26:16 106:19
misidentificat	moments	205:12,12	208:18 209:23
258:22 260:11	220:18	n	230:16 233:10
misleading	monday 1:13	n 2:1 3:1 4:1	273:3
112:14 248:14	money 298:14	5:1 6:1 7:1	necessitated
misled 201:15	monitors 9:10	name 5:4 6:4	106:13
misrepresents	121:6 222:4,7	7:4 25:19 26:6	need 24:25
243:14	monographs	33:7 67:5	25:24 30:13
missed 164:19	5:15 142:3	213:25 214:25	44:19 49:13
204:5 266:10	montgomery	215:6 219:10	142:21 148:20
missing 150:17	2:6	219:11 242:10	153:20,21
163:8 209:8	month 16:5,18	263:11	174:23 175:3
210:21 260:1	24:19 25:1,2	narrative 262:3	181:25 182:6
293:8	290:22	national 71:10	186:9 194:24
misspeak 52:15	months 21:23	71:21 122:10	199:8 206:1
misspoke	21:25 46:16	127:23 136:7	233:15 266:7
266:14,20	51:23 52:3 54:3	136:18 137:18	268:2,21 269:4
misstates	86:22	145:22 213:24	272:25 276:25
107:17 133:24	morning 8:6,7	258:20 260:10	277:1,20
135:11 139:13	mornings		281:23 285:18
150:14 294:7	308:21	260:18,21 natives 94:5	286:5 289:23
mistake 15:17	morphological	natural 291:17	311:19
112:2 202:18	151:20		needle 199:9
misunderstood	morphology	naturally 125:19	292:5
210:7	297:11	nature 20:4	needles 194:5
mobilize 309:7	mortality	46:9 258:23	199:7
modernize	224:19	278:21	needs 62:13
309:7		2/0.21	112:21 230:22
	1	1	1

[negates - o'dell]

negates 203:11	non 72:12	november 4:13	numbers 34:22
negative 62:19	113:16 114:2,4	4:16 6:12,13	34:25 88:17,23
299:3,13	116:4,10,15	15:2,9,20 30:1	266:10 267:8
negatives	117:10,19	31:17,20 45:14	numerous
165:20 201:25	130:24 131:25	45:18 46:14,17	62:19
201:25	132:25 151:17	51:4 54:3 55:4	0
never 15:17	172:18 294:24	57:5,19 82:3	o'dell 2:4 11:5
38:8 56:20 59:6	295:1,23	83:23 102:12	11:13,25 23:10
59:8,25 62:23	nonasbestos	102:17 104:10	23:14 34:12
63:1 78:11,16	294:4	105:9 205:5	36:15 37:22
79:21 93:14	nondetected	212:2 217:17	44:18 48:17
111:20 196:9	159:6	221:18 223:22	49:5 64:5 66:3
202:8 204:25	noon 112:18	251:11	66:9 67:20 68:6
204:25 220:7	nope 152:9	ntp 301:20	69:3 73:5 74:9
245:20,21	normally	304:9,12	89:13 95:8,19
248:9,16	291:16	314:23,24	98:21 100:10
261:11 263:7	notary 1:12	315:4,7,12	105:3 107:16
263:16 314:16	317:7 318:24	ntp's 302:8	117:21 119:14
314:18 315:18	note 177:18	number 17:22	119:21 120:2,8
nevertheless	191:2 195:20	20:14 32:10	120:20 121:8
275:17	208:9,12	52:20,21 53:11	121:15,16
new 1:1,12 3:18	217:19 248:17	54:6 83:24 88:7	126:8 129:1
3:18,24 23:2	317:21	90:7 94:3 97:1	130:14 131:3
57:22 58:6	notebook 257:3	98:2 119:12	132:3 133:23
317:7	257:5,6	124:22 139:19	135:10 137:8
newer 94:15	noted 130:18	155:4 168:5,19	138:5,15
newly 95:21	184:25 192:5	169:8,10,16,22	139:10,12
ngs 138:24	287:20	170:9 176:19	140:15 142:20
nice 260:17	notes 89:4,15	181:15 191:11	143:11 144:2
nickname	187:4 192:7	192:4 204:24	144:20 147:4
263:11	239:16 249:22	215:6,23 226:1	148:14,21
nights 308:20	notice 34:10	240:22 244:2	150:14 152:8
nih 309:1	noting 120:17	257:9 271:4	150:14 132:8
nine 140:21	191:3 270:5	281:14 283:25	152:10,12,23
noise 108:9	notion 180:1	288:16 301:18	154:9,13,18,21
277:3		303:16	157.7,15,10,21

[o'dell - ohio] Page 47

155:25 160:19	303:23 304:2	290:1 292:8	131:24 132:25
160:23 161:1	306:14 307:24	294:6 295:8	177:20
166:8 167:13	309:25 312:15	298:2 306:14	occurring
168:16,22	316:5	309:25 312:15	125:19 291:18
173:3 176:15	o'dell's 119:17	objected	occurs 123:15
177:22 178:6	119:20	130:15	october 6:19
178:14 179:10	obesity 20:9	objecting 151:4	239:11 240:4
181:8 182:18	obfuscated	297:19	240:10
183:16 184:24	295:24	objection	offending
186:5 188:4	object 34:12	130:17 150:14	264:12
189:13,20	36:15 37:22	184:25 186:5	offenses 309:8
194:16 196:4	44:18 73:5 74:9	277:7	offer 36:18,24
199:17,24	98:21 100:10	objective 47:11	114:24 135:13
201:21 203:7	105:3 107:16	objectively	147:1 196:2
204:2,4 206:15	117:21 129:1	245:6 312:25	198:15
211:14 221:25	132:3 133:23	obligation	offered 292:3
223:2,5,10	135:10 138:5	194:21	offering 36:1
231:2,5 233:13	138:15 139:10	obligations	39:20 41:14
234:1,15	144:20 145:25	20:18	42:8 113:21
236:18 237:25	147:4 155:25	obscure 277:25	310:19
238:2 246:9	167:13 173:3	obscures 276:4	offers 242:3
251:1 253:15	179:10 181:8	observed	office 215:16
254:11,21	183:16 185:1	144:15	217:2 240:25
255:21 256:19	188:4 194:16	obviously 16:9	241:5 269:4
261:8 264:1	196:4 201:21	21:3 22:13 23:4	304:17,20
265:12,18	203:7 204:2	24:22 28:16	306:3
267:5 271:24	206:15 233:13	33:2 40:7 55:15	official 29:4,5
274:22 275:9	234:1,21	57:8 66:12 69:6	251:6
277:7,14	236:18 237:25	77:12 129:18	officially
278:24 281:9	238:2 246:9	130:1 216:14	209:21
281:23 286:5	253:15 254:11	266:14 310:16	officials 243:22
287:1 288:18	255:21 256:19	occasional 98:8	oh 141:14
289:6 290:1	261:8 264:1	106:10	204:19 232:19
292:8 294:6	271:24 274:22	occasions 212:6	251:6 301:17
295:8,10 298:2	277:14 278:24	occur 127:5	ohio 22:19
301:8,12	288:18 289:6	128:21 130:23	

[okay opinion]			1 4 5 0
okay 8:20 11:25	134:2,17 135:4	246:5,12	ones 32:12,13
13:17 14:14,23	136:25 137:6	248:15,19	open 125:25
16:7,14 17:3,9	139:16,25	249:17 255:6	153:19,22
17:14,20 18:8	140:3,9 141:13	256:9 257:17	161:3 271:2
18:18,25 19:19	142:9,19,20	261:24 263:21	opening 31:2
21:17 22:9	144:2 146:9	264:4 266:2,6	83:25 84:12
25:19 26:3,21	150:6 152:7,10	267:13 269:16	85:3 90:16 91:2
27:10 28:8 38:2	152:17 153:17	269:24 270:18	100:20 161:5
41:21 42:5 44:9	154:9,18	271:1,18 274:8	223:10
46:17 47:6 48:4	155:17,22	278:6,10	operating
53:13 57:4,16	158:3,24 160:1	279:13,21	269:6 281:8
58:20 59:3	160:23 161:21	281:7 282:14	operation
63:16 65:20	162:3,25 167:5	283:21,21	20:15,16
67:2 68:7,21	167:14,18	284:2 286:7,25	opine 38:19
69:8,24 73:1	168:2 171:3,11	288:5,12,25	209:21
74:2,13 77:3	178:6,8 179:3	290:11,13	opining 32:7
78:10 81:14	184:8,18	291:14 292:13	opinion 36:5,7
83:18 84:5	188:15 189:12	295:6,6 298:16	63:15 106:12
86:24 88:8 89:2	189:20,22	299:2 301:12	113:12,21
90:17,24 92:5	190:17 191:7	304:2 306:9	114:7,10,13,14
93:3,25 94:8	192:14 193:19	307:14 308:19	114:25 115:6
100:7,18	201:16 202:25	310:8,18,25	115:18 116:3
101:21 103:18	204:6 205:23	311:2 312:18	117:13,16
104:22 107:12	209:13 210:14	312:24 313:15	118:2,12
110:2,14	210:23 211:20	314:1 316:2	127:12,17,18
111:14 113:6,9	212:15,23	old 33:3 125:3	128:18 130:8
113:20 114:1,7	213:15 215:14	once 62:11	139:6 147:1
114:13,21	216:18 219:24	113:12 157:14	158:18,22
116:14 117:12	223:4,8,8 224:2	194:5,19 195:4	159:2 165:9
118:22 119:10	225:20 229:13	195:4 199:6,6	172:19 173:9
120:1 121:5	229:20,23	215:19 229:13	173:10 194:3
122:14 123:1	235:5 236:22	229:13,14,19	198:23 199:12
123:14 125:2	237:19 238:12	232:3,15,15	201:16 231:22
126:18,20	238:14 239:18	294:22	236:16 270:19
127:4 130:6	239:25 242:11	one's 165:23	276:10 278:15
131:3 133:19	243:2,8 244:23	228:24	288:23 293:4

Document 33115-4 PageID: 231884

[opinion - paragraph]

294:22 298:9	original 194:1	p.a. 2:15	pager 50:16
309:13 310:4	outcome 309:9	p.c. 3:9	pages 67:1,8,18
310:18	outline 248:22	p.m. 316:15	81:9 83:14 90:8
opinions 5:8	outside 33:23	pack 90:20	136:9 144:7
29:18 32:15	133:21 189:17	pad 9:11 10:10	169:17 175:23
34:9 36:1,13	206:21	66:25 67:7	240:18
37:4 39:20 40:3	ovarian 39:3,22	page 4:3,10 5:4	paid 110:4,6
41:14 42:9 58:5	40:16 196:3	6:4 7:4 10:19	243:25 244:4
58:6,7 61:1	205:16 208:15	10:20 14:15	245:22 247:8
76:24 85:9	224:20 226:13	15:25 16:2 17:4	288:14
104:18 105:2	304:22 306:11	41:6,7,12,13	pains 13:10
105:12 106:19	ovaries 224:15	45:13 67:3,11	papantonio
107:9 115:7	224:24	67:23 81:20	2:15
141:2 171:13	ovary 194:6	92:17 94:12	paper 5:8 9:16
171:14 179:6	overall 191:10	96:24 99:23,24	10:14,17 12:8
180:5 196:2	overcome	113:7 118:19	33:23 52:20
197:13 231:17	309:6	126:22 140:5	53:3,5 65:2
opportunity	overseas 7:14	143:4,16,23	67:8,10 68:19
57:11 81:4	285:5	145:10 154:25	137:3 139:20
orange 65:12	oversight	161:14 162:18	139:23 140:11
65:23 67:4	181:19	162:19 171:4	141:1 143:14
68:11,13	overstatement	182:12 190:5	145:8,11 150:9
order 30:9	207:19	190:11,13	225:12 282:16
76:16 87:12	overview 9:6	212:6 217:25	papers 9:18,19
133:9 256:23	242:3 243:23	218:13 219:1,3	65:3,5 68:19
258:14	300:3	220:18 225:23	224:4 242:2
organic 72:20	owe 176:21	248:21 249:1	paragraph
organization	own 86:1 87:25	251:8 262:5	30:22,22 31:3,4
5:13 7:13 142:2	131:7 246:24	269:20,21	31:14,24 32:9
217:1 284:4	274:20,24	276:15 281:11	38:17 42:24
285:4 287:17	299:6	281:13,14	80:23 81:2,14
292:4 297:5	p	282:19 283:23	113:7,11
organization's	p 2:1,1 3:1,1	284:1 291:14	116:13,20,22
287:21	5:11,11 88:4	294:19 304:15	117:2 118:6,19
organized	141:4,5,8	308:5,10 318:6	119:8 123:15
241:21	171.7,3,0		159:18 169:3

[paragraph - perspective]

180:18 184:1 participants pathological percent 110:24 184:21,22 240:19,21 77:23 196:22 161:14,15 186:4,13 247:14 pathology 162:12 163:24 190:10,18 particle 62:9,15 199:10 164:1,2,15,17 191:2 192:3 71:15 80:13 pathway 176:5 165:6,22,22 193:15 208:2 particles 152:2 pause 80:22 166:2 176:6 208:11 230:25 224:13,14,21 148:21 191:1 263:4,9,9,13 287:19 288:15 262:6 280:19 297:11 243:23 289:11 290:24 282:18 283:25 particular paying 27:24 314:3 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 81:8 139:19 paticulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20
186:4,13 247:14 pathology 162:12 163:24 190:10,18 particle 62:9,15 199:10 164:1,2,15,17 191:2 192:3 71:15 80:13 pathway 176:5 165:6,22,22 193:15 208:2 particles 152:2 pause 80:22 166:2 176:6 208:11 230:25 224:13,14,21 148:21 191:1 263:4,9,9,13 231:4 245:20 296:3,20 pay 108:10 287:19 288:15 262:6 280:19 297:11 243:23 289:11 290:24 282:18 283:25 particular paying 27:24 314:3 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 81:8 139:19 304:18 pediatrician period 19:8 81:8 139:19 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
190:10,18 particle 62:9,15 199:10 164:1,2,15,17 191:2 192:3 71:15 80:13 pathway 176:5 165:6,22,22 193:15 208:2 particles 152:2 pause 80:22 166:2 176:6 208:11 230:25 224:13,14,21 148:21 191:1 263:4,9,9,13 231:4 245:20 296:3,20 pay 108:10 287:19 288:15 262:6 280:19 297:11 paying 27:24 314:3 282:18 283:25 particular paying 27:24 314:3 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 81:8 139:19 304:18 pediatrician period 19:8 81:8 139:19 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
191:2 192:3 71:15 80:13 pathway 176:5 165:6,22,22 193:15 208:2 particles 152:2 pause 80:22 166:2 176:6 208:11 230:25 224:13,14,21 148:21 191:1 263:4,9,9,13 231:4 245:20 296:3,20 pay 108:10 287:19 288:15 262:6 280:19 297:11 243:23 289:11 290:24 282:18 283:25 particular paying 27:24 314:3 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 paragraphs 304:18 pediatrician period 19:8 81:8 139:19 particulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
193:15 208:2 particles 152:2 pause 80:22 166:2 176:6 208:11 230:25 224:13,14,21 148:21 191:1 263:4,9,9,13 231:4 245:20 296:3,20 pay 108:10 287:19 288:15 262:6 280:19 297:11 243:23 289:11 290:24 282:18 283:25 particular paying 27:24 314:3 287:15 294:18 115:13,13 230:3 perfect 154:16 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 paragraphs 304:18 pediatrician 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
208:11 230:25 224:13,14,21 148:21 191:1 263:4,9,9,13 231:4 245:20 296:3,20 pay 108:10 287:19 288:15 262:6 280:19 297:11 243:23 289:11 290:24 282:18 283:25 particular paying 27:24 314:3 287:15 294:18 115:13,13 230:3 perfect 154:16 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 81:8 139:19 304:18 pediatrician period 19:8 81:8 139:19 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
231:4 245:20 296:3,20 pay 108:10 287:19 288:15 262:6 280:19 297:11 243:23 289:11 290:24 282:18 283:25 particular paying 27:24 314:3 284:3,6,10,18 115:13,13 230:3 perfect 154:16 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 paragraphs 304:18 pediatrician period 19:8 81:8 139:19 particulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
262:6 280:19 297:11 243:23 289:11 290:24 282:18 283:25 particular paying 27:24 314:3 284:3,6,10,18 115:13,13 230:3 perfect 154:16 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 paragraphs 304:18 pediatrician period 19:8 81:8 139:19 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
282:18 283:25 particular paying 27:24 314:3 284:3,6,10,18 115:13,13 230:3 perfect 154:16 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 paragraphs 304:18 pediatrician period 19:8 81:8 139:19 particulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
284:3,6,10,18 115:13,13 230:3 perfect 154:16 287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 paragraphs 304:18 pediatrician period 19:8 81:8 139:19 particulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
287:15 294:18 183:15 190:9 pdf 94:4 251:9 168:24 214:5 294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 paragraphs 304:18 pediatrician period 19:8 81:8 139:19 particulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
294:19 308:5,6 192:5 212:6 pdfs 91:20 231:25 309:12 particularly 92:10 perineal 192:8 paragraphs 304:18 pediatrician period 19:8 81:8 139:19 particulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
309:12 particularly 92:10 perineal 192:8 paragraphs 304:18 pediatrician period 19:8 81:8 139:19 particulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
paragraphs 304:18 pediatrician period 19:8 81:8 139:19 particulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
81:8 139:19 particulate 21:5 96:3 115:19 183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
183:12 191:2 192:8 pediatrics 158:8 212:20 192:2 parties 33:23 18:23 215:14 220:16
192:2 parties 33:23 18:23 215:14 220:16
•
parentheses 34:5 52:2 87:21 pejorative 220:20 237:9
126:1 parts 37:16 254:21 261:6
parfitt 2:10 114:25 258:6 pending 134:8 periods 251:16
park 3:24 292:5 166:5,7 243:7 perpendicular
parse 68:25 party 34:4 pennsylvania 297:15,25
part 20:19 78:6 243:19 244:3 2:21 3:11 persisted
78:19 81:7 302:6 303:8 pensacola 2:16 109:19
89:15,17 304:8 people 71:11 person 69:15
133:17 137:10 passed 62:13 85:15 87:5 72:24 77:9
157:18 159:14 passing 313:20 121:24 136:11 122:22 261:15
163:21 170:17 past 210:6 137:23 149:11 personal 52:20
171:24,24 268:24 309:6 150:23 151:1 237:10 300:6
184:20 192:11 paste 49:15 173:22 186:22 personally
209:10,11 68:19 188:9 218:9 78:11 212:17
216:6 224:11 pasted 67:9 219:16 229:4 perspective
233:21 237:17 103:23 244:18 300:20 31:8 33:13
245:25 262:17 pastes 10:15 303:3 313:1,14 96:22
277:5 296:24

[perspectives - plus]

perspectives	pfizer 305:18	piece 10:17	platelets 297:14
6:18 240:2,10	pharmaceutic	pieces 53:3	platy 291:18
persuaded	16:20	67:10	plausibility
251:20	pharmacology	pier 169:10,14	191:4
pertain 43:12	6:21 240:6,12	piles 68:11,13	plausible 192:7
pertained 52:8	241:18 242:1	pinnacle 24:9	play 38:23
pertaining	phase 88:9	pittard 2:5	40:11 196:19
213:22	philadelphia	place 58:21	played 101:16
petition 6:10,14	2:21 3:11	59:17 75:4,8,13	278:4
7:7 190:22	philosophy	87:23 96:25	playing 112:10
191:14 192:5	146:20	98:9 102:1	please 10:24
192:24 200:21	phone 24:7,21	128:5 129:22	25:17 48:18
201:3,3 205:3	25:5 26:9	155:21 156:20	78:7 80:24
205:21 211:12	312:22	156:24 164:14	91:14 106:20
212:24 213:19	photo 11:10	172:1 229:11	124:24 126:9
215:16 216:4,8	photograph	239:23 242:14	126:11 134:1
216:21 217:8	4:19 64:22	263:17 276:4	137:9 140:5
217:17,24	phrased 117:7	314:18	143:10 149:1
218:6 220:9,25	162:15	placitella 3:9	152:20 156:17
221:19 223:17	physician 78:3	3:10	160:7,20 168:4
224:3,11 226:5	pick 124:9	plagued 60:1	177:9 178:2
226:25 229:25	picked 216:5	plaintiff 2:2 3:3	179:14 181:24
230:20 231:11	picking 191:21	25:20 39:6	182:11,17
233:6 249:6,11	261:3 313:13	110:5	184:10 186:14
249:13,25	picks 30:2	plaintiff's	188:23 231:6
250:3 251:8,11	pickup 313:11	24:16 27:6 37:2	238:11 247:22
251:20 266:15	picture 11:21	39:6 90:20	254:5 256:10
petitioner's	64:15 65:9 66:5	101:22 110:6	256:10 259:15
230:1,2	67:21,22 68:8	184:3	262:11 265:11
petitions 91:5	157:8 310:6	plaintiffs 27:7	265:19 267:19
200:16 211:23	pictures 63:25	190:19	267:25 275:12
212:1 215:20	65:15,16,18	plane 297:15	280:6 284:6,23
215:22,24,25	67:17,22	planning 23:7	290:17 294:8
216:2,7 220:5,5	pie 174:21,23	179:18	plural 220:23
220:12 266:16	175:3,20,24,25	platelet 297:24	plus 161:8,11
266:22 267:2	176:1,9		

[point - pretty] Page 52

point 21:13	110:21 163:17	193:22 201:19	113:13,15
45:6 89:19	257:15 263:7	226:7,10 227:2	114:2,9 116:4
93:17,19 94:4	270:1 299:1,3,9	274:14 287:18	116:15 117:18
96:7 100:23	299:13 315:19	287:23,24	155:23 158:17
116:21 118:11	positives	312:13	165:10 252:25
122:12 147:7	165:19	powders 116:5	259:19 263:25
149:3 162:22	possess 144:13	225:14	272:19 276:5
163:12 170:20	possession	powerpoint	294:23,25
171:6 172:9	187:19	176:17	298:11 302:9
179:23 183:9	possibility	practice 26:25	312:10 314:12
199:13 203:1	172:7 176:12	51:11,13 62:21	present 44:8
210:5 220:13	252:9 298:20	practiced 269:8	169:25 210:6
233:14 248:3	possible 8:10	practices 1:4	292:20
251:23 260:1	12:12,12,20	174:17	presentation
267:2 274:9,19	23:19 26:18	pre 42:17	245:12 267:17
296:14,20	90:6 183:1	preceding 81:9	presentations
300:24	205:14 237:12	precise 116:20	157:13 170:11
pointed 164:5	237:14 315:15	116:23,25	242:4
pointing 184:12	possibly 100:21	premised 265:3	presented
192:2	100:21 193:3	preparation	226:4,24
points 97:16	posters 11:9	45:9 48:6,7	227:11,14
157:11 203:3	potential 32:5	51:3 55:11 56:4	presently
policies 272:10	43:4,19,25	56:15 57:9	251:21
275:25 276:1	44:16,23 138:8	68:21 69:7,9,16	presents 149:9
policy 155:20	149:8,20	89:12	president
269:6 276:4	172:24 173:24	preparations	268:11
pop 177:10	176:8 293:16	69:6	pressure
population	potentially	prepare 68:23	304:16
305:18	13:16 171:1	prepared	presumably
portions 139:22	poulton 174:5	111:18 219:7	237:11
posed 83:22	174:12 177:10	288:22	pretty 18:15
position 41:17	178:10 179:6	preparing 69:1	19:16 84:1
89:14,18	powder 1:4	297:13	115:25 157:8
118:18	35:15 39:3,7	presence 61:8	178:5 255:2
positive 59:6	58:16 190:20	61:17 73:4	256:21 288:15
62:20,21	190:25 193:2	78:12,17	

[prevent - professionals]

prevent 208:19	74:24 86:20	processes	235:2,11,19,23
209:24 230:16	92:14,18	110:17	239:6 263:18
230:22 231:14	100:11 103:24	processing 62:5	290:9 295:2
233:10	114:19 119:4	65:13,17 313:6	309:14,15,18
prevention 6:9	121:9 124:3	produced 10:19	310:11,20
205:3 212:1	136:9 156:3	85:15 86:13	311:9,13,22
216:22 221:1	172:5 276:21	251:18,21	product's
223:21,21	problem	producers	235:14
previous 251:1	119:25 120:12	274:3	production
previously	121:20 149:23	producing	35:15 95:2
41:10,13	152:14,15	300:21	176:3,4,6
price 310:17	226:19 235:25	product 35:12	177:17 274:14
primarily 9:24	236:3,17 239:8	35:13 46:7	products 1:4,5
86:7 214:12,13	244:20 247:11	58:23 59:15	5:10,19 6:11,16
primary 21:2	269:22	62:2 89:16	113:21,24
prime 73:14	problems 49:10	113:17 115:9	114:11 115:14
principals	94:3 148:1	115:24 116:12	117:13,17
100:5	279:10	118:4 166:17	138:9 141:3
principles	procedure	194:7,11 195:8	153:12 170:7
19:14 74:19,20	159:24 215:15	197:3,7 198:3	170:25 171:1
112:7 151:19	269:7 281:1,8	198:14 201:7	190:21,25
print 94:2,6	procedures	202:13 203:13	192:13 193:22
printed 12:13	159:21 252:13	203:17,17,19	194:15 197:17
12:24 13:7,15	253:6 255:11	206:1 207:4,6	201:19 205:5
172:6 175:1,2	259:22	207:15,16	206:14 208:17
printing 92:9	proceed 27:22	208:20,25	221:20 225:5
143:24 167:21	proceeds 24:13	209:7 227:23	226:7 227:2
prior 46:15	process 36:8,20	228:19,25	231:13 232:25
62:14 75:6,13	61:6,9,24 62:8	229:6,9,14,16	233:8 242:23
102:20 237:24	80:6,15,18	229:18,20,21	248:1 268:13
privacy 49:13	83:21 89:3	229:21 230:12	300:6 312:13
probably 9:14	109:10 217:6	230:17,23	professional
30:20 33:7 46:3	219:23 220:1	231:15 232:5,9	317:5
46:22 51:24	314:11	232:11,16,17	professionals
52:2 54:4 60:21	processed	232:20,24	305:17
72:13,23 73:13	89:11	233:12,17	
		•	

[professor - quality]

196:11 providing 99:2 218:10 222:6 168:22 173:15 program 59:18 public 1:12 223:18 228:25 177:24 178:9,9 59:20,23 20:10 58:13 256:21,22 179:20 181:17 programs 60:15 109:21 289:18 185:6 201:10 262:17 109:25 149:12 pulled 170:13 202:11 209:20 project 7:14 151:13 166:2 232:20 214:25 224:1 285:5 167:3 171:18 pulling 108:3 228:24 229:6 pronounce 208:13 216:17 118:9 232:17 232:12,18 178:23 235:10 239:2 248:21 284:13 239:1,1 250:15 pronouncement 241:14 242:13 284:13 250:16,23 properties 306:3 310:9,21 pure 76:15 261:25 263:17 proposition 317:7 318:24 purposes 32:14 309:15 310:8 protect 166:2 publication purview 38:9 312:13 314:1 protection 283:3 put 13:20 39:18 58:14 87:15				I
196:11 providing 99:2 218:10 222:6 168:22 173:15 program 59:18 public 1:12 223:18 228:25 177:24 178:9,9 59:20,23 20:10 58:13 256:21,22 179:20 181:17 programs 60:15 109:21 289:18 185:6 201:10 262:17 109:25 149:12 pulled 170:13 202:11 209:20 project 7:14 151:13 166:2 232:20 214:25 224:1 285:5 167:3 171:18 pulling 108:3 228:24 229:6 pronounce 208:13 216:17 118:9 232:17 232:12,18 178:23 235:10 239:2 248:21 284:13 239:1,1 250:15 pronouncement 241:14 242:13 284:13 250:16,23 properties 306:3 310:9,21 pure 76:15 261:25 263:17 proposition 317:7 318:24 purposes 32:14 309:15 310:8 protect 166:2 publication purview 38:9 312:13 314:1 protection 283:3 put 13:20 39:18 58:14 87:15	-	_		,
program 59:18 public 1:12 223:18 228:25 177:24 178:9,9 59:20,23 20:10 58:13 256:21,22 179:20 181:17 programs 60:15 109:21 289:18 185:6 201:10 262:17 109:25 149:12 pulled 170:13 202:11 209:20 project 7:14 151:13 166:2 232:20 214:25 224:1 285:5 167:3 171:18 pulling 108:3 228:24 229:6 pronounce 208:13 216:17 118:9 232:17 232:12,18 178:23 235:10 239:2 248:21 284:13 239:1,1 250:15 pronouncement 241:14 242:13 284:13 250:16,23 properties 306:3 310:9,21 pure 76:15 261:25 263:17 proposition 317:7 318:24 purity 262:18 278:20 301:1 protect 166:2 public's 309:16 purview 38:9 312:13 314:1 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3	39:9 165:12		'	166:23 168:20
59:20,23 20:10 58:13 256:21,22 179:20 181:17 programs 60:15 109:21 289:18 185:6 201:10 262:17 109:25 149:12 pulled 170:13 202:11 209:20 project 7:14 151:13 166:2 232:20 214:25 224:1 285:5 167:3 171:18 pulling 108:3 228:24 229:6 pronounce 208:13 216:17 118:9 232:17 232:12,18 178:23 235:10 239:2 248:21 284:13 239:1,1 250:13 pronouncement 241:14 242:13 284:13 250:16,23 84:19 242:16 304:20 pure 76:15 261:25 263:17 properties 306:3 310:9,21 purely 120:20 267:25 268:2 155:13 311:15,19 purity 262:18 278:20 301:1 protect 166:2 public's 309:16 176:16 310:21 311:15 protect 166:2 publication purview 38:9 312:13 314:1 protection 283:3 put 13:20 39:18 58:14 8	196:11	providing 99:2	218:10 222:6	168:22 173:15
programs 60:15 109:21 289:18 185:6 201:10 project 7:14 151:13 166:2 232:20 214:25 224:1 285:5 167:3 171:18 pulling 108:3 228:24 229:6 pronounce 208:13 216:17 118:9 232:17 232:12,18 178:23 235:10 239:2 248:21 284:13 239:1,1 250:15 pronouncement 241:14 242:13 284:13 250:16,23 84:19 242:16 304:20 pure 76:15 261:25 263:17 properties 306:3 310:9,21 purely 120:20 267:25 268:2 155:13 311:15,19 purity 262:18 278:20 301:1 proposition 317:7 318:24 purposes 32:14 309:15 310:8 43:24 public's 309:16 176:16 310:21 311:15 protect 166:2 publication purview 38:9 312:13 314:1 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 pottedion 283:3 put 13:20 39:18 <th< td=""><td>program 59:18</td><td>public 1:12</td><td>223:18 228:25</td><td>177:24 178:9,9</td></th<>	program 59:18	public 1:12	223:18 228:25	177:24 178:9,9
262:17 109:25 149:12 pulled 170:13 202:11 209:20 project 7:14 151:13 166:2 232:20 214:25 224:1 285:5 167:3 171:18 pulling 108:3 228:24 229:6 pronounce 208:13 216:17 118:9 232:17 232:12,18 178:23 235:10 239:2 248:21 284:13 239:1,1 250:15 pronouncement 241:14 242:13 284:13 250:16,23 properties 306:3 310:9,21 pure 76:15 261:25 263:17 proposition 317:7 318:24 purity 262:18 278:20 301:1 protect 166:2 public's 309:16 purview 38:9 312:13 314:1 167:3 210:4 242:3 pushing 89:20 putting 20:15 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 potention 283:3 publicize 288:2 47:12 48:18,19 164:13 178:8	59:20,23	20:10 58:13	256:21,22	179:20 181:17
project 7:14 151:13 166:2 232:20 214:25 224:1 285:5 167:3 171:18 pulling 108:3 228:24 229:6 pronounce 208:13 216:17 118:9 232:17 232:12,18 178:23 235:10 239:2 248:21 284:13 239:1,1 250:15 pronouncement 241:14 242:13 284:13 250:16,23 84:19 242:16 304:20 pure 76:15 261:25 263:17 properties 306:3 310:9,21 purely 120:20 267:25 268:2 155:13 311:15,19 purity 262:18 278:20 301:1 proposition 317:7 318:24 purposes 32:14 309:15 310:8 43:24 public's 309:16 purposes 32:14 309:15 310:8 protect 166:2 publication purview 38:9 312:13 314:1 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 publicize 288:2 47:12 48:18,19 164:13 178:8	programs	60:15 109:21	289:18	185:6 201:10
285:5 167:3 171:18 pulling 108:3 228:24 229:6 pronounce 208:13 216:17 118:9 232:17 232:12,18 178:23 235:10 239:2 248:21 284:13 239:1,1 250:15 pronouncement 241:14 242:13 284:13 250:16,23 84:19 242:16 304:20 pure 76:15 261:25 263:17 properties 306:3 310:9,21 purely 120:20 267:25 268:2 155:13 311:15,19 purity 262:18 278:20 301:1 proposition 317:7 318:24 purposes 32:14 309:15 310:8 43:24 public's 309:16 176:16 310:21 311:15 protect 166:2 publication purview 38:9 312:13 314:1 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 publicize 288:2 47:12 48:18,19 58:14 87:15	262:17	109:25 149:12	pulled 170:13	202:11 209:20
pronounce208:13 216:17118:9 232:17232:12,18178:23235:10 239:2248:21 284:13239:1,1 250:15pronouncement241:14 242:13284:13250:16,2384:19242:16 304:20pure 76:15261:25 263:17properties306:3 310:9,21purely 120:20267:25 268:2155:13311:15,19purity 262:18278:20 301:1proposition317:7 318:24purposes 32:14309:15 310:843:24public's 309:16purposes 32:14309:15 310:8protect166:2publicationpurview 38:9312:13 314:1167:3210:4 242:3149:11314:17 315:16protected89:17258:21 260:11pushing 89:20putting 20:15protection283:3put 13:20 39:1858:14 87:15208:13publicize 288:247:12 48:18,19164:13 178:8	project 7:14	151:13 166:2	232:20	214:25 224:1
178:23 235:10 239:2 248:21 284:13 239:1,1 250:13 pronouncement 241:14 242:13 284:13 250:16,23 properties 306:3 310:9,21 pure 76:15 261:25 263:17 proposition 311:15,19 purity 262:18 278:20 301:1 proposition 317:7 318:24 purposes 32:14 309:15 310:8 protect 166:2 publication purview 38:9 312:13 314:1 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 publicize 288:2 47:12 48:18,19 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	285:5	167:3 171:18	pulling 108:3	228:24 229:6
pronouncement 241:14 242:13 284:13 250:16,23 84:19 242:16 304:20 pure 76:15 261:25 263:17 properties 306:3 310:9,21 purely 120:20 267:25 268:2 155:13 311:15,19 purity 262:18 278:20 301:1 proposition 317:7 318:24 purposes 32:14 309:15 310:8 43:24 public's 309:16 176:16 310:21 311:15 protect 166:2 publication purview 38:9 312:13 314:1 167:3 210:4 242:3 149:11 314:17 315:16 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 put 13:20 39:18 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	pronounce	208:13 216:17	118:9 232:17	232:12,18
84:19 242:16 304:20 pure 76:15 261:25 263:17 properties 306:3 310:9,21 purely 120:20 267:25 268:2 155:13 311:15,19 purity 262:18 278:20 301:1 proposition 317:7 318:24 purposes 32:14 309:15 310:8 43:24 public's 309:16 purposes 32:14 309:15 310:8 protect 166:2 publication purview 38:9 312:13 314:1 167:3 210:4 242:3 149:11 314:17 315:16 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 put 13:20 39:18 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	178:23	235:10 239:2	248:21 284:13	239:1,1 250:15
properties 306:3 310:9,21 purely 120:20 267:25 268:2 155:13 311:15,19 purity 262:18 278:20 301:1 proposition 317:7 318:24 purposes 32:14 309:15 310:8 43:24 public's 309:16 176:16 310:21 311:15 protect 166:2 publication purview 38:9 312:13 314:1 167:3 210:4 242:3 149:11 314:17 315:16 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 put 13:20 39:18 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	pronouncement	241:14 242:13	284:13	250:16,23
155:13 311:15,19 purity 262:18 278:20 301:1 proposition 317:7 318:24 purposes 32:14 309:15 310:8 43:24 public's 309:16 176:16 310:21 311:15 protect 166:2 publication purview 38:9 312:13 314:1 167:3 210:4 242:3 149:11 314:17 315:16 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 put 13:20 39:18 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	84:19	242:16 304:20	pure 76:15	261:25 263:17
proposition 317:7 318:24 purposes 32:14 309:15 310:8 43:24 public's 309:16 176:16 310:21 311:15 protect 166:2 publication purview 38:9 312:13 314:1 167:3 210:4 242:3 149:11 314:17 315:16 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 put 13:20 39:18 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	properties	306:3 310:9,21	purely 120:20	267:25 268:2
43:24 public's 309:16 176:16 310:21 311:15 protect 166:2 publication purview 38:9 312:13 314:1 167:3 210:4 242:3 149:11 314:17 315:16 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 put 13:20 39:18 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	155:13	311:15,19	purity 262:18	278:20 301:1
protect 166:2 publication purview 38:9 312:13 314:1 167:3 210:4 242:3 149:11 314:17 315:16 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 put 13:20 39:18 58:14 87:15 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	proposition	317:7 318:24	purposes 32:14	309:15 310:8
167:3 210:4 242:3 149:11 314:17 315:16 protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 put 13:20 39:18 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	43:24	public's 309:16	176:16	310:21 311:15
protected 89:17 258:21 260:11 pushing 89:20 putting 20:15 protection 283:3 put 13:20 39:18 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	protect 166:2	publication	purview 38:9	312:13 314:1
protection 283:3 put 13:20 39:18 58:14 87:15 208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	167:3	210:4 242:3	149:11	314:17 315:16
208:13 publicize 288:2 47:12 48:18,19 164:13 178:8	protected 89:17	258:21 260:11	pushing 89:20	putting 20:15
	protection	283:3	put 13:20 39:18	58:14 87:15
	208:13	publicize 288:2	47:12 48:18,19	164:13 178:8
protects 263:8 publicly 193:16 50:11 53:15 222:2 267:6	protects 263:8	publicly 193:16	50:11 53:15	222:2 267:6
protocol 157:24 233:23 246:6 58:1 59:17 60:9 276:4 289:23	protocol 157:24	233:23 246:6	58:1 59:17 60:9	276:4 289:23
269:5 247:16 248:5 60:15 63:6,12 301:7 313:9	269:5	247:16 248:5	60:15 63:6,12	301:7 313:9
protocols 274:1 publish 166:15 66:5 68:14 79:2 315:17	protocols 274:1	publish 166:15	66:5 68:14 79:2	315:17
proud 304:24 published 7:8 84:3,25 85:23 puzzled 58:24	proud 304:24	published 7:8	84:3,25 85:23	puzzled 58:24
prove 194:23 241:17 247:16 86:3,8,10 90:2 puzzling 57:21	prove 194:23	241:17 247:16	86:3,8,10 90:2	puzzling 57:21
194:24 278:12 280:2 98:5 104:12 60:8	194:24	278:12 280:2	98:5 104:12	60:8
proved 258:17 280:21 110:19 111:22 q	proved 258:17	280:21	110:19 111:22	a
nroven 242:22 nublishes 273:2 126:8 11	proven 242:22	publishes 273:2	126:8,11	qualified 39:13
247:25 pull 44:20 127:24 140:9 quamed 39.13	247:25	pull 44:20	127:24 140:9	_
nroves 257:18 104:4 106:3 140:14 20	proves 257:18	104:4 106:3	140:14,20	
provide 11:10 119:3 122:8 141:9 142:10 quality 58:20 59:1,8 179:19	provide 11:10	119:3 122:8	141:9 142:10	
1 99.8 17 136.7 131.8 157.17 149.91 147.6	99:8,17 136:7	131:8 157:14	142:21 147:6	180:2,10,13,20
224:18 283:10	· · · · · · · · · · · · · · · · · · ·		1	100.4,10,13,40

[quality - rate] Page 55

263:6 188:14 190:24 206:22 259:9 192:6 194:7 quantifiable 192:13,23 259:18 287:7,8 309:2 281:20 282:4 194:4 198:1 300:18 309:2 quantitation 200:6,13,18,21 57:12,17,22,23 quoted 210:18 281:1 201:4 202:1 57:23 59:12 quoted 210:18 280:3 207:12 209:12 83:22 85:21 r 239:19 question 13:9 211:7 214:11 119:11 122:2 139:19 28:2 33:20 34:8 228:10,12 157:20 181:19 281:5 317:1 281:5 317:1 36:17 38:16 231:2,6,9 191:9,20 194:9 191:9,20 194:9 191:9,20 194:9 44:7,20 45:24 235:21 236:14 197:10 198:18 199:4,10 281:1 281:1 281:1 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:94:10 291:10<				
263:6 188:14 190:24 206:22 259:9 192:6 194:7 quantifiable 192:13,23 259:18 287:7,8 309:2 281:20 282:4 194:4 198:1 300:18 309:2 quantitation 200:6,13,18,21 57:12,17,22,23 quoted 210:18 281:1 201:4 202:1 57:23 59:12 quoting 139:17 280:3 207:12 209:12 83:22 85:21 139:19 24:9 27:22,25 226:8 228:4,7 135:5 151:3 139:19 24:9 27:22,25 226:8 228:4,7 135:5 151:3 181:1 36:17 38:16 231:2,6,9 191:9,20 194:9 194:15 195:1,6 44:7,20 45:24 234:16,22,24 199:4,10 199:4,10 58:11,25 60:1,1 238:6,11 243:6 199:4,10 274:17 58:11,25 60:1,1 247:21,22 228:5,9 246:23 258:4,5,18 66:2 67:13,19 256:5,13,23 250:21 256:2 27:13 80:21 85:6,16 259:4,5,8,15,23 259:21 260:6 290:7,14,15 85:20 95:13,15 260:3 261:4,23 286:22,23 200:7,14,15 296:24 <t< td=""><td>180:25 181:6</td><td>185:19,24</td><td>258:11,23</td><td>quote 159:15</td></t<>	180:25 181:6	185:19,24	258:11,23	quote 159:15
quantifiable 192:13,23 259:18 287:7,8 226:22 282:25 281:20 282:4 194:4 198:1 300:18 309:2 quantitation 200:6,13,18,21 57:12,17,22,23 quoted 210:18 281:1 201:4 202:1 57:23 59:12 quoting 139:17 280:3 207:12 209:12 83:22 85:21 139:19 question 13:9 211:7 214:11 119:11 122:2 28:2 33:20 34:8 228:10,12 135:5 151:3 318:1,1 281:5 317:1 318:1,1 281:5 317:1 318:1,1 result of the properties of the propert	181:11 262:17	186:14 188:7	questioning	173:11 176:11
281:20 282:4 194:4 198:1 300:18 questions 54:23 quoted 210:18 question 54:23 57:12,17,22,23 quoted 210:18 qu	263:6	188:14 190:24	206:22 259:9	192:6 194:7
283:6 199:18,21,25 questions 54:23 quoting 139:18 281:1 201:4 202:1 57:12,17,22,23 quoting 139:17 280:3 207:12 209:12 61:2 76:24 r 280:3 207:12 209:12 83:22 85:21 r question 13:9 211:7 214:11 119:11 122:2 28:23:20 34:8 28:2 33:20 34:8 228:10,12 135:5 151:3 318:1,1 rabbits 68:18 36:17 38:16 231:2,6,9 194:15 195:1,6 199:20 194:9 191:9,20 1	quantifiable	192:13,23	259:18 287:7,8	226:22 282:25
quantitation 200:6,13,18,21 57:12,17,22,23 quoting 13:1 281:1 201:4 202:1 57:23 59:12 7 139:17 quarter 7:10 205:24 207:4,8 61:2 76:24 61:2 76:24 7 280:3 207:12 209:12 83:22 85:21 7 139:19 7 question 13:9 211:7 214:11 119:11 122:2 135:5 151:3 135:5 151:3 181:19 191:9,20 194:9 191:9,20 194:9 194:15 195:1,6 191:9,20 194:9 194:15 195:1,6 196:13 197:9 194:15 195:1,6 196:13 197:9 194:14 195:1 199:4,10 290:10 207:3 199:4,10 290:10 207:3 199:4,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 <td< td=""><td>281:20 282:4</td><td>194:4 198:1</td><td>300:18</td><td>309:2</td></td<>	281:20 282:4	194:4 198:1	300:18	309:2
281:1 201:4 202:1 57:23 59:12 139:19 quarter 7:10 205:24 207:4,8 61:2 76:24 r 280:3 207:12 209:12 83:22 85:21 r question 13:9 211:7 214:11 119:11 122:2 28:23 3:20 34:8 228:10,12 135:5 151:3 281:5 317:1 318:1,1 rabbits 68:15 317:1 318:1,1 rabbits 68:18 rafferty 2:15 raise 191:9,20 194:9 19	283:6	199:18,21,25	questions 54:23	quoted 210:18
quarter 7:10 205:24 207:4,8 207:12 209:12 61:2 76:24 r question 13:9 211:7 214:11 119:11 122:2 28:25 317:1 24:9 27:22,25 226:8 228:4,7 135:5 151:3 28:15 317:1 28:2 33:20 34:8 228:10,12 157:20 181:19 rabbits 68:18 36:17 38:16 231:2,6,9 191:9,20 194:9 194:15 195:1,6 196:13 197:9 194:15 195:1,6 196:13 197:9 194:14 195:1 199:3,10 44:7,20 45:24 234:16,22,24 235:21 236:14 197:10 198:18 199:4,10 274:17 raise 191:9 194:14 195:1 199:3,10 274:17 raise 191:9 194:10 195:6 199:3,10 274:17 raised 27:13 194:10 195:6 197:10 198:18 258:19 290:7 290:15,16 290:7,14,15 258:19 290:7 290:15,16 290:7,14,15 258:19 290:7 290:15,16 </td <td>quantitation</td> <td>200:6,13,18,21</td> <td>57:12,17,22,23</td> <td>quoting 139:17</td>	quantitation	200:6,13,18,21	57:12,17,22,23	quoting 139:17
280:3 207:12 209:12 83:22 85:21 r 2:1 3:1 8:1 question 13:9 211:7 214:11 119:11 122:2 r 2:1 3:1 8:1 24:9 27:22,25 226:8 228:4,7 135:5 151:3 281:5 317:1 28:2 33:20 34:8 228:10,12 157:20 181:19 191:9,20 194:9 40:15 43:23 233:12 234:16 191:9,20 194:9 194:15 195:1,6 44:7,20 45:24 234:16,22,24 196:13 197:9 194:15 195:1,6 53:25 56:11 235:21 236:14 197:10 198:18 199:4,10 58:11,25 60:1,1 247:21,22 203:10 207:3 228:5,9 246:23 66:2 67:13,19 256:5,13,23 250:21 256:2 274:17 68:25 70:24 258:7,9,12,15 259:4,5,8,15,23 259:21 260:6 197:10 198:18 85:20 95:13,15 262:9,10 286:14,16 290:7,14,15 258:19 290:7 95:16 98:22 267:15 278:21 312:6 316:5 203:10 290:19 108:20 110:12 286:22,23 290:17,19 203:10 290:19 130:16 133:6 295:3,11 296:22 24 249:5	281:1	201:4 202:1	57:23 59:12	139:19
280:3 207:12 209:12 83:22 85:21 r 2:1 3:1 8:1 question 13:9 211:7 214:11 119:11 122:2 28:2 33:20 34:8 228:10,12 135:5 151:3 281:5 317:1 281:5 317:1 28:2 33:20 34:8 228:10,12 157:20 181:19 157:20 181:19 191:9,20 194:9 194:15 195:1,6 191:9,20 194:9 194:15 195:1,6 196:13 197:9 196:13 197:9 194:14 195:1 199:4,10 274:17 274:17 274:17 274:17 199:3,10 274:17 274:17 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 199:3,10 274:17 290:15,16 290:7,14,15 258:19,20 290:7,14,15	quarter 7:10	205:24 207:4,8	61:2 76:24	r
question 13:9 211:7 214:11 119:11 122:2 28:2 33:20 34:8 226:8 228:4,7 226:8 228:4,7 228:10,12 135:5 151:3 318:1,1 318:1,1 36:17 38:16 231:2,6,9 191:9,20 194:9 191:9,20 194:9 194:15 195:1,6 196:13 197:9 194:15 195:1,6 196:13 197:9 194:14 195:1 199:3,10 274:17 199:3,10 279:13 199:10 199:10 199:3,10 299:13 199:11 <td< td=""><td>280:3</td><td>207:12 209:12</td><td>83:22 85:21</td><td></td></td<>	280:3	207:12 209:12	83:22 85:21	
24:9 27:22,25 226:8 228:4,7 135:5 151:3 318:1,1 28:2 33:20 34:8 228:10,12 157:20 181:19 318:1,1 36:17 38:16 231:2,6,9 191:9,20 194:9 194:15 195:1,6 40:15 43:23 234:16,22,24 196:13 197:9 194:14 195:1 53:25 56:11 235:21 236:14 197:10 198:18 199:4,10 58:11,25 60:1,1 247:21,22 203:10 207:3 274:17 60:3,9,24 61:20 248:2 253:12 228:5,9 246:23 27:13 66:2 67:13,19 256:5,13,23 250:21 256:2 197:10 198:18 76:15 78:21 259:4,5,8,15,23 259:21 260:6 197:10 198:18 85:20 95:13,15 262:9,10 286:14,16 290:7,14,15 95:16 98:22 267:15 278:21 312:6 316:5 290:15,16 108:20 110:12 286:22,23 20ible 16:22 20ick 66:2 110:12 118:16 288:23 290:16 290:7,14,15 203:10 290:19 128:16 129:3 290:17,19 290:15,16 290:15,16 134:7 8 15 18 296:22 24 244:8 249:5	question 13:9	211:7 214:11	119:11 122:2	
28:2 33:20 34:8 228:10,12 157:20 181:19 191:9,20 194:9 194:15 195:1,6 196:13 197:9 194:14 195:1 199:3,10 274:17 raised 27:13 194:10 195:6 196:25 70:24 258:7,9,12,15 262:9,10 285:20 108:20 110:12 18:16 128:16 129:3 130:16 133:6 134:7 8 15 18 233:23 24:16 233:23 24:16 233:23 24:16 233:12 234:16 191:9,20 194:9 194:15 195:1,6 196:13 197:9 194:14 195:1 199:3,10 274:17 raised 27:13 199:3,10 274:17 raised 27:13 194:10 195:6 197:10 198:18 250:21 256:2 258:4,5,18 259:21 260:6 267:15 278:21 260:6 267:15 278:21 260:6 267:15 278:21 2790:7,14,15 312:6 316:5 quibble 16:22 quick 66:2 141:12 quickly 244:8 249:5	•	226:8 228:4,7	135:5 151:3	
36:17 38:16 231:2,6,9 191:9,20 194:9 rabbts 68:18 40:15 43:23 233:12 234:16 194:15 195:1,6 rafferty 2:15 44:7,20 45:24 234:16,22,24 196:13 197:9 194:14 195:1 53:25 56:11 235:21 236:14 197:10 198:18 199:3,10 58:11,25 60:1,1 247:21,22 203:10 207:3 274:17 60:3,9,24 61:20 248:2 253:12 228:5,9 246:23 194:10 195:6 66:2 67:13,19 256:5,13,23 250:21 256:2 197:10 198:18 76:15 78:21 259:4,5,8,15,23 259:21 260:6 197:10 198:18 85:20 95:13,15 262:9,10 290:7,14,15 258:19 290:7 95:16 98:22 267:15 278:21 312:6 316:5 203:10 290:19 108:20 110:12 286:22,23 quibble 16:22 141:12 130:16 133:6 290:17,19 141:12 187:2,10 134:7 8 15 18 296:22 24 249:5	· · · · · · · · · · · · · · · · · · ·	· ·		,
40:15 43:23 233:12 234:16 194:15 195:1,6 raise 191:9 44:7,20 45:24 234:16,22,24 196:13 197:9 194:14 195:1 53:25 56:11 235:21 236:14 197:10 198:18 199:4,10 274:17 58:11,25 60:1,1 247:21,22 203:10 207:3 274:17 60:3,9,24 61:20 248:2 253:12 228:5,9 246:23 27:13 66:2 67:13,19 256:5,13,23 250:21 256:2 258:4,5,18 68:25 70:24 258:7,9,12,15 258:4,5,18 259:21 260:6 197:10 198:18 80:21 85:6,16 260:3 261:4,23 259:21 260:6 290:7,14,15 290:15,16 85:20 95:13,15 262:9,10 290:7,14,15 296:24 95:16 98:22 267:15 278:21 312:6 316:5 203:10 290:19 108:20 110:12 286:22,23 20ible 16:22 203:10 290:19 108:16 133:6 290:17,19 290:17,19 241:12 249:5 134:7 8 15 18 296:22 24 249:5 249:5		, and the second se		
44:7,20 45:24 234:16,22,24 196:13 197:9 194:14 195:1 53:25 56:11 235:21 236:14 197:10 198:18 199:3,10 57:20 58:4,10 238:6,11 243:6 23:10 207:3 274:17 68:11,25 60:1,1 247:21,22 203:10 207:3 274:17 66:2 67:13,19 256:5,13,23 250:21 256:2 194:10 195:6 68:25 70:24 258:7,9,12,15 258:4,5,18 259:21 260:6 80:21 85:6,16 260:3 261:4,23 259:21 260:6 290:7,14,15 85:20 95:13,15 262:9,10 290:7,14,15 296:24 95:16 98:22 267:15 278:21 312:6 316:5 203:10 290:19 108:20 110:12 286:22,23 288:23 290:16 290:7,14,15 203:10 290:19 128:16 129:3 290:17,19 290:17,19 241:12 241:12 246:22 134:7 8 15 18 295:3,11 295:3,11 296:22 24 24:8 249:5		, , ,	,	
53:25 56:11 235:21 236:14 197:10 198:18 199:3,10 57:20 58:4,10 238:6,11 243:6 239:4,10 274:17 58:11,25 60:1,1 247:21,22 203:10 207:3 274:17 60:3,9,24 61:20 248:2 253:12 228:5,9 246:23 197:10 198:18 66:2 67:13,19 256:5,13,23 250:21 256:2 197:10 198:18 68:25 70:24 258:7,9,12,15 258:4,5,18 259:21 260:6 197:10 198:18 76:15 78:21 259:4,5,8,15,23 259:21 260:6 286:14,16 290:7,14,15 290:15,16 85:20 95:13,15 262:9,10 290:7,14,15 296:24 203:10 290:19 95:16 98:22 267:15 278:21 312:6 316:5 203:10 290:19 108:20 110:12 288:23 290:16 290:17,19 141:12 203:10 290:19 130:16 133:6 295:3,11 296:22 24 249:5 249:5	44:7,20 45:24	234:16,22,24	· · · · · · · · · · · · · · · · · · ·	
57:20 58:4,10 238:6,11 243:6 199:4,10 274:17 58:11,25 60:1,1 247:21,22 203:10 207:3 raised 27:13 60:3,9,24 61:20 248:2 253:12 228:5,9 246:23 194:10 195:6 66:2 67:13,19 256:5,13,23 250:21 256:2 197:10 198:18 68:25 70:24 258:7,9,12,15 258:4,5,18 259:21 260:6 197:10 198:18 76:15 78:21 259:4,5,8,15,23 259:21 260:6 286:14,16 290:15,16 85:20 95:13,15 262:9,10 290:7,14,15 312:6 316:5 203:10 290:19 95:16 98:22 267:15 278:21 312:6 316:5 203:10 290:19 108:20 110:12 286:22,23 quibble 16:22 203:10 290:19 128:16 129:3 290:17,19 141:12 141:	53:25 56:11	, , ,		
58:11,25 60:1,1 247:21,22 203:10 207:3 60:3,9,24 61:20 248:2 253:12 228:5,9 246:23 66:2 67:13,19 256:5,13,23 250:21 256:2 194:10 195:6 68:25 70:24 258:7,9,12,15 258:4,5,18 259:21 260:6 258:19 290:7 80:21 85:6,16 260:3 261:4,23 286:14,16 290:7,14,15 296:24 85:20 95:13,15 262:9,10 290:7,14,15 312:6 316:5 203:10 290:19 95:16 98:22 267:15 278:21 312:6 316:5 203:10 290:19 108:20 110:12 286:22,23 288:23 290:16 290:17,19 141:12 203:10 290:19 130:16 133:6 295:3,11 295:3,11 296:22 24 244:8 249:5 262:11	57:20 58:4,10	238:6,11 243:6	199:4,10	,
60:3,9,24 61:20 248:2 253:12 228:5,9 246:23 194:10 195:6 66:2 67:13,19 256:5,13,23 250:21 256:2 197:10 198:18 68:25 70:24 258:7,9,12,15 258:4,5,18 258:19 290:7 76:15 78:21 259:4,5,8,15,23 259:21 260:6 290:15,16 80:21 85:6,16 260:3 261:4,23 286:14,16 296:24 95:16 98:22 267:15 278:21 312:6 316:5 203:10 290:19 108:20 110:12 286:22,23 quibble 16:22 203:10 290:19 128:16 129:3 290:17,19 141:12 141:12 141:12 130:16 133:6 295:3,11 296:22 24 244:8 249:5 62:11	· · · · · · · · · · · · · · · · · · ·	*	,	
66:2 67:13,19 68:25 70:24 76:15 78:21 80:21 85:6,16 85:20 95:13,15 95:16 98:22 110:12 118:16 128:16 129:3 130:16 133:6 134:7 8 15 18 256:5,13,23 250:21 256:2 258:4,5,18 259:21 260:6 286:14,16 290:7,14,15 312:6 316:5 quibble 16:22 quick 66:2 141:12 quickly 244:8 249:5	1 ' 1	, and the second se	228:5,9 246:23	
68:25 70:24 258:7,9,12,15 258:4,5,18 258:19 290:7 76:15 78:21 259:4,5,8,15,23 259:21 260:6 290:15,16 80:21 85:6,16 260:3 261:4,23 286:14,16 290:7,14,15 95:16 98:22 267:15 278:21 312:6 316:5 203:10 290:19 108:20 110:12 286:22,23 quibble 16:22 203:10 290:19 110:12 118:16 290:17,19 141:12 141:12 187:2,10 130:16 133:6 295:3,11 295:3,11 296:22 24 249:5 62:11	· ·	256:5,13,23	, , , , , , , , , , , , , , , , , , ,	
76:15 78:21 80:21 85:6,16 85:20 95:13,15 95:16 98:22 108:20 110:12 128:16 129:3 130:16 133:6 134:7 8 15 18 259:4,5,8,15,23 260:3 261:4,23 260:3 261:4,23 260:7,14,15 290:7,14,15 290:7,14,15 312:6 316:5 quibble 16:22 quick 66:2 141:12 quickly 244:8 249:5	· · · · · · · · · · · · · · · · · · ·	, ,	258:4,5,18	
80:21 85:6,16 85:20 95:13,15 95:16 98:22 108:20 110:12 110:12 118:16 128:16 129:3 130:16 133:6 134:7 8 15 18 260:3 261:4,23 262:9,10 267:15 278:21 286:22,23 288:23 290:16 290:17,19 296:22 24 286:22,23 288:23 290:16 290:17,19 290:13,16 203:10 290:19 rand 186:22 187:2,10 range 25:2 62:11	76:15 78:21	·	· ·	
85:20 95:13,15 95:16 98:22 108:20 110:12 110:12 118:16 128:16 129:3 130:16 133:6 134:7 8 15 18 262:9,10 267:15 278:21 286:22,23 286:22,23 288:23 290:16 1290:7,14,15 312:6 316:5 quibble 16:22 quick 66:2 141:12 quickly 244:8 249:5	80:21 85:6,16		286:14,16	,
95:16 98:22 108:20 110:12 110:12 118:16 128:16 129:3 130:16 133:6 134:7 8 15 18 267:15 278:21 286:22,23 288:23 290:16 290:17,19 295:3,11 296:22 24 312:6 316:5 quibble 16:22 quick 66:2 141:12 quickly 244:8 249:5	· 1		,	
108:20 110:12				
110:12 118:16 128:16 129:3 130:16 133:6 134:7 8 15 18 288:23 290:16 290:17,19 295:3,11 296:22 24 quickly 244:8 249:5				
128:16 129:3 130:16 133:6 134:7 8 15 18 296:22 24 141:12 quickly 244:8 249:5	110:12 118:16	, in the second	_	
130:16 133:6 295:3,11 quickly 244:8 62:11	128:16 129:3	290:17,19	•	· ·
134.7 8 15 18 296.22 24 249.5		, and the second se		
1 10 10 10 10 10 10 10 10 10 10 10 10 10		,		
13/·01/15·7 70/·13/18·15 anifa 11·0		, in the second		ranging 9:21
1/6:11 21 23 311:8 16 312:7 5/:13 66:13 rank 159:3			_	
1/10:13 157:19 315:23 70:10 153:5 rarely 102:1		,		
162:25 163:11 questionable 215:23 275:18 rate 53:14,16				
166:5,7 185:1 questionable 213.23 273.18 224:19		-		224:19

[rates - record] Page 56

4 224.5	202 1 202 15	1	24 10 25 5 12
rates 224:5	293:1 302:15	reassured	24:10 25:5,12
ratio 296:4	304:23 318:2	206:6	45:21 46:3,10
rationale 125:8	reading 55:17	reath 3:22	47:2 52:4 69:18
raw 62:4	78:23 98:13	recall 24:14,20	70:17 84:16
ray 291:23	100:12 252:5,7	25:19 56:18,22	89:7 91:7
297:7	286:15	71:7 74:11	100:23 101:13
raymond 61:24	reads 304:15	88:11 98:18	101:23 103:10
109:12	real 79:22	174:11 196:9	212:16 213:2,3
reach 111:4,9	180:15 201:4	211:13 217:14	213:5,21 215:1
reached 25:20	realize 71:11	303:1	215:21 220:15
130:8	110:2 274:9	receive 90:19	239:19,22
reaches 192:8	really 18:8,11	101:21	242:12 245:2
reaching 146:9	35:3 43:10	received 13:19	302:23 303:11
191:4	45:11 46:18	48:5,11 68:2	record 8:13,15
reactions	141:11 156:23	252:11	32:25 33:1
224:23	157:7 167:8	recent 13:18	48:12 49:16,22
read 97:22	200:5 214:11	15:4 80:19 83:5	56:24 58:1
104:24 106:21	230:6 237:3	recently 17:6	59:21 60:23
113:18 127:11	266:25 271:5	20:13 21:11	63:21 66:17
128:19 132:16	272:6,16 282:9	104:13 221:10	68:3,5 78:20
132:17,18	296:25 301:17	recognize	84:25 85:7,9,20
135:21,22	realtime 121:5	172:13,14	87:6 112:5,22
136:1,3,15	121:13 199:25	229:19 268:21	112:24 113:24
140:15 145:9	317:6	274:11	117:1 119:16
159:12 162:2	reason 25:24	recognized	120:18 121:11
170:15,17	118:8 130:2	144:25 232:17	121:17 127:24
186:7 212:21	163:21 192:16	300:11	130:18,19,20
220:17 224:25	207:21 256:6	recognizes	153:25 154:4
247:15 252:21	277:25 278:21	63:10 251:15	155:3 158:3
258:2,16	299:8 315:24	recognizing	167:24 168:13
261:13 262:6	reasonable	85:10 273:10	172:4 174:24
262:12 268:6	38:12 54:10	293:11	181:12,17
269:10 276:11	63:11 310:19	recollect	189:21,23
278:13 281:24	313:15,17	213:14	198:12 222:22
286:4,18,24	reasons 299:9	recollection	223:7,13,20
288:3 290:3	316:1	22:7 23:1 24:8	238:7,13,15

[record - reliability]

239:6 247:7	references	293:20	240:12 241:17
248:18 260:24	107:24	regarding	241:25
265:13,20	referred 104:5	41:14 73:3	rejected 59:9
266:3,24 267:4	214:6 216:1	179:6 196:2	rejoined 16:19
273:23 299:17	referring 10:12	region 108:6	rejoining 19:7
301:13 303:15	15:19 43:5,7	regional 172:23	relate 27:11
306:21	55:23,24 61:17	register 63:9	70:6
record's 213:15	75:10 81:8	registered	related 118:17
243:12 244:23	108:5 117:3	317:5	171:23 211:23
recorded	122:23 154:25	regs 209:20	213:20 239:12
127:22	169:6 187:6	regular 316:8	relates 28:3
records 39:17	213:19 214:8	316:10	44:13 74:8
87:7 112:4	243:18 253:5	regulated 77:13	76:23 78:8
275:18	299:25 300:1	146:11 147:12	152:20 181:6
red 251:5	refers 193:1	170:25	196:15 293:15
redefining	284:3	regulating 78:5	relating 43:25
147:21	reflect 130:19	170:3	44:16 71:19
reducing	reflected 20:19	regulation	181:4 184:6
208:14	33:23 60:9	150:4	212:25 221:1
reengage 28:18	152:22 233:25	regulations	226:23 304:13
reengaged	269:2 284:17	31:10 43:15	306:13 308:16
27:11 51:7	290:20	76:16 208:16	relationship
53:20	reflects 51:3	208:23 209:11	74:15,22 79:21
reengaging	64:16 130:20	227:18 242:20	relative 288:16
24:17	reformulate	regulator 78:4	relatively 56:25
reentered 84:8	310:11	regulatory 6:20	88:18 106:5
refer 136:18	reformulated	31:7,25 40:2,5	relativity
145:21,22	311:22	40:8 42:19	308:21
155:18 191:10	reformulating	44:14,21,25	relayed 242:24
287:15	309:18	76:14,23 84:2,7	relevant 60:17
reference 38:6	refresh 25:11	111:13 112:6	reliability
43:9 183:25	25:13	124:5 138:7	110:23 186:2
197:19 198:25	reg 76:12	146:9 149:7,18	252:20,24
referenced	regard 35:13	150:11 198:1	257:22 258:12
31:24 32:20	42:13 206:22	219:14,21	259:9,19,21
259:6	215:5 268:17	226:21 240:5	263:23 297:2
-		•	

[reliability - request]

reliable 63:2 285:13 305:4,8 92:17,18,19 165:11 260:23 305:11 102:24 103:1,6	eporter 1:11 63:19 68:4 141:16 168:11 189:22 249:21
165:11 260:23 305:11 102:24 103:1,6	141:16 168:11
263:16 297:21 remote 1:8 103:11,22,24	189:22 249:21
298:4 render 40:6 104:4,6,15,23	301:15 316:7
reliably 258:25 116:5 165:9 105:1,10	317:5,6,6,25
reliance 4:21 renzi 3:10 111:25 113:4 re	eporter's
12:16,16,21 repeat 199:17 116:7 117:2	112:21
13:11,13 82:7 231:5 118:8 119:2 re	eports 47:20
185:9,19 repeated 122:16 123:16	56:6,16 78:23
201:11 108:25 236:5 124:16 126:6	89:12 102:11
relied 203:24 repeating 137:9 131:9,20	102:16,20,22
rely 104:17,21 rephrase 99:5 135:24 139:17	103:3,8 185:13
106:11 165:23 report 4:12,15 140:12 154:25	252:11
166:1,3,9 4:21 9:11 10:1 164:18,20 re	epository
197:17,18	81:16
315:13,14 15:2 17:4 22:15 174:11 177:10 re	epresent 14:7
relying 43:24 22:21 27:14 178:9 183:3	34:4 88:20,25
44:14,21,23 31:2,16,19 184:19 185:7	94:21 95:18,19
105:2,5,8,12,20 32:10,15,19 195:25 203:4	101:8 138:2
106:7,23 33:5,6 38:18 206:11 210:19	246:3 247:9
165:24 174:15 41:2,9 42:24 212:5 215:8	284:10
259:7 260:4,13 45:9,12,15,17 225:10 226:23 re	epresentation
remains 190:23 45:23 46:9,14 227:19 230:14	289:14
remarked 46:16,19 47:4,7 231:18,22 re	epresentatives
287:23 47:13,13,14,16 241:20 254:9	302:13,18
remember 47:25 48:2,6,7 256:17 266:9	304:11
24:18 56:10 51:4 52:1 54:2 267:10 282:15 re	epresented
71:3 72:7,24	159:9 167:16
75:20 79:10	247:16
92:13 99:13 58:6 60:22 61:3 308:5 re	eproduction
102:8 103:12 61:5,9 62:20 reported 186:3	317:22
103:14 159:17 65:11 80:24 246:14 248:5 re	eproductive
179:1 180:16 82:3,8 83:23,25 256:17 258:19	224:22 305:19
208:1 212:24 84:12,17,25 290:24 re	equest 67:16
213:1 214:3 85:4 89:16,17	204:18 230:2

[request - review]

L - 1			
234:21	residual 264:14	194:4 200:16	results 186:2
requested	resisted 90:25	200:20 203:24	236:1 252:19
227:4	134:21 256:8	204:8,9 205:12	252:25 253:2
requesting	resolution	205:13 207:25	257:21 258:11
251:11	11:22 300:13	208:11 210:5	258:19,24
require 200:25	resolved 28:12	210:23 211:22	259:11,19
205:17 227:1	257:16	211:25 217:19	275:21 288:2
227:17 228:20	respect 36:13	217:19,23,24	resume 18:13
230:21 231:12	40:15 80:5 92:1	217:25 218:17	21:14
233:7	93:9 106:20	218:18,19	resumed 18:1
required	192:23 253:18	234:17 236:13	18:18
262:24	respected 124:8	238:14 239:7	retained 45:22
requirement	278:17	249:12,15,24	45:25 46:2,8
209:5 228:23	respectful	250:3 251:7	69:20 70:12
230:13 263:1	260:7	responses	71:1,25 72:10
268:15,17,25	respond 120:16	290:23	72:16 73:1 74:6
requirements	205:24 218:23	responsibilities	74:13 79:3 80:8
41:15 42:10	286:22	19:20 20:20,22	130:9
62:19 84:15	responded	31:6 35:10	retested 299:13
155:13 209:17	134:15 219:20	196:25	retesting 62:21
235:8	237:19 266:15	responsibility	299:12,12
requires 202:20	266:17,18	197:1 232:23	313:23
research 5:14	responding	290:10	rethink 13:14
18:24 19:24	204:17 205:21	responsible	return 267:15
20:11,18 21:3	217:8 220:11	38:12 52:24	returned 312:8
55:13,14,15,17	236:8 304:16	274:14 310:4	reveal 26:8
55:18 61:3 70:3	306:1	responsive	revelation
70:6 71:11,13	responds 192:6	108:3	305:3
71:19,21,24	251:10	rest 58:22	review 54:10
73:15 142:3	response 7:7	137:2 202:22	81:4,19 90:13
158:14 224:12	84:23 91:9	result 46:14	91:4 97:8 98:20
279:18	170:15 178:22	59:7 62:21	100:8,18,19
researched	178:24 179:4	78:24 283:11	102:3,15 174:6
83:21	190:23 191:3	resulting 173:1	174:8,8 186:8
researching	191:22 192:5	224:6	186:10 191:19
67:14 86:25	192:11,24		267:11 276:7

[review - right] Page 60

285:24	42:21 43:1 45:8	145:1 146:11	203:15 204:11
reviewed 33:15	46:12 51:10	147:7,11,12,13	206:4,21,23,25
33:25 42:1,5	52:6,23 54:8,20	147:14,19,20	207:1,6,11,12
60:8 78:18 84:8	55:14,21 57:10	147:22 148:2,6	207:22 212:3
86:17,17 88:14	59:2,9 63:13	149:9,18,21	215:2,24
99:10 104:13	64:11 65:4,13	151:13,19	216:20 218:2
105:1 142:16	65:24 66:22,24	152:1 154:21	218:25 219:2,6
242:18 250:10	67:5 69:19	154:24 155:12	219:8,17,18
253:20 308:16	71:23 75:23	157:17,22	221:2,7,12
reviewing	76:1,12 77:8,10	159:4 160:11	223:2 224:8,9
111:8 169:19	79:23 80:17	161:4,22 162:7	225:15,25
174:11 178:13	81:1,5,23 82:3	162:9,11	226:3 228:14
185:25 199:24	83:10 84:3,7,9	163:10,15,17	229:15 230:2
revisions 15:7	84:16,18,22	163:20,21,25	232:2,4,7 233:3
15:10	85:19 87:3,14	164:4,9,10,21	234:25 235:2,6
rgolomb 2:22	87:23,25 90:7	165:16,21,23	235:10 237:2
rhetorical	90:11 91:7,19	166:4,10,11,13	237:13 238:15
259:5	92:6 93:8 100:5	166:23 167:1	238:19,21,22
rich 174:19	101:2,7 102:4	168:10 169:12	238:25 239:6
216:1	102:24 103:1	171:8 177:6	239:10 241:6,7
richard 2:20	104:11 105:15	178:23 179:4,5	242:24 243:2
rid 151:25	106:14 108:24	179:19 180:3	243:20,22,23
277:19	109:9,10,16,20	180:19 181:23	244:4 245:1,5
riebeckite	109:21 110:1	182:14 183:6	248:8 249:15
127:8 128:23	110:10,15,19	183:23 185:4	249:23 250:6
right 9:14 10:9	111:19,20,22	187:13,20	250:12 252:3,6
10:23 12:2	112:3,15,16	188:8,12,16,17	254:4 255:9
14:22 15:16,17	116:3 119:25	190:2 191:15	257:10,15
16:8 17:1,7	121:7,13 122:7	191:20 192:9	260:7,9,21,25
20:17 21:7,8,24	126:16 133:6	192:20,23	262:1,3,6,7,21
24:10,12 25:6,8	134:14,24	193:3,9,13	262:23 263:12
26:2,12 27:19	137:20,22	194:22 195:10	268:1 271:8
28:1,21,22,24	138:14,24	196:16,19,21	272:14,19,20
29:11 30:23	139:20 140:13	197:4,11 201:4	272:24 273:4
31:2,12 32:14	142:13,16	201:4,7,23	273:23 274:11
32:23 34:22	143:3 144:22	202:3,10,12,14	276:13,15,18

[right - satisfaction]

277:4,19 278:1	298:21 299:1	rpr 317:14	202:16 203:12
279:15 281:5	risk 109:21	rtm 176:7	203:18 205:25
281:22 282:10	149:9 151:22	rule 99:4	207:4,5 209:7
282:11,24,25	177:19 195:13	271:10,17	226:24 227:22
284:9,21	202:3,6 206:7	273:1,7 274:1	228:2,19 229:7
286:19,21	207:15,16,18	276:19 277:6	229:10 230:12
287:5 288:12	208:14,15	277:12 278:14	245:19 274:4
288:17,20	226:13 239:2	283:3 313:22	290:6,9 295:2
290:5,18	309:16 310:9	rules 227:18	sake 250:14
291:10 292:7	310:21 311:15	ruling 195:10	258:15 266:11
293:21 294:15	risks 5:16 44:8	211:9	sales 1:4
294:21 295:17	142:4 173:24	running 238:5	sam 200:21
295:25 296:3,4	rj 100:6 107:5	ruth 305:11,14	202:19 211:12
296:12 297:3,9	107:22,24	306:1,3	221:11
297:17 298:17	274:17	rw 274:17	sample 59:9
298:24 299:5,7	rls 1:2	S	62:13 77:20
299:10,12,14	road 2:11	s 2:1 3:1 4:8 5:3	109:1 162:5,9
300:25 305:11	robin 164:25		163:2,6 165:5
305:12 306:20	165:19	6:3 7:3 8:1,1 318:1	186:17 269:16
307:7 308:23	rock 176:7		283:10
308:24 309:9	rocks 172:25	safely 58:23 safest 242:22	samples 109:4
309:11,19	rohl 225:13	248:1	181:16 225:13
310:12 311:10	293:14	safety 113:17	269:25 270:1
311:11 312:22	role 206:4	114:17,18	270:16
313:3,5,10,11	rolle 293:5	116:8,11 164:7	san 18:5
313:12,13,18	297:20	172:10,19	sanchez 99:25
314:4,8,9,11,21	roller 61:24	190:20,24	100:3,4 101:3
314:23 315:1,8	rollers 109:12	190.20,24	101:11,19
315:10,20,23	room 8:17 12:8	192:23 193:21	106:25 107:1
ring 302:17,21	13:4 121:3	192.23 193.21	107:14,23
rio 156:9,10,12	roth 3:9	194.10,13,22	sanchez's 102:7
157:4,13	round 54:4	197:3,7,16	108:15
167:20 169:5,8	164:25 165:19	198:2,14 199:4	sand 217:4,5
169:14 176:2	routinely	200:10,12	219:15
176:25 271:4,5	273:22 300:23	200.10,12	satisfaction
272:4,7 273:19		201.13,10	29:22

[saturday - second]

saturday 69:4	63:10 67:3 86:1	school 19:11	screens 48:24
69:18	99:24 102:11	schooled 72:20	121:4 221:23
save 50:3 98:7	125:17 132:14	science 72:23	screwed 203:25
154:5 161:2	136:21 156:16	75:15 78:7	260:17
saved 154:6	176:8 177:18	204:11 282:13	scribble 52:19
saw 34:3 59:16	185:15 191:8	scientific 5:8	scribbled 52:22
60:17 63:21	202:20 203:22	44:24 74:1	90:7
85:19 164:16	207:1 220:18	111:12 112:6	scribbles 53:3
279:11	224:8 238:25	129:10,12,16	scroll 50:13
saying 25:8	241:4 242:17	129:22 130:7	160:7,7 224:10
59:24 65:12	244:13 245:20	141:2 146:12	281:7 304:14
87:7 90:1	246:7,8,13	146:17 195:23	scrolling 91:20
100:16 101:1	247:24 251:10	224:4 225:3	search 60:23
101:19 105:19	252:1,4 257:20	252:16 253:9	92:4,12,15
105:22 107:11	260:9,17,21	255:13,18	96:12 97:21
107:15 112:10	262:7,14 264:6	scientifically	116:18,19
116:1,12	268:12 273:2	129:16	searched 92:20
118:12 148:10	273:15 276:20	scientist 78:4	92:22 97:16,19
150:20 173:13	276:24 291:10	80:1	97:19 214:23
173:14 195:16	291:16 292:7	scientists 291:7	searches 88:9
202:23 203:21	292:11 300:5	scope 30:18,25	searching
203:23 207:23	305:24 309:10	31:1 34:2	86:22 92:7,11
210:22 213:23	scan 11:15	183:20	93:16 97:20,24
222:24,25	88:21	scratch 263:10	97:24 117:1
227:9,21	scanning 297:6	scratcher 62:22	123:23 159:17
231:17 237:1,7	297:13	164:10 245:15	seasons 25:2
243:8 246:10	schedules 47:9	screen 13:20	seat 207:22
260:16 264:9	47:11,23	14:16,24 48:20	sec 216:25
271:20 272:15	scheme 262:2	57:3 140:10	second 41:11
276:6 277:15	schmenan	142:22 153:4,6	43:9 49:6 50:8
282:13 283:1	241:2,3,4 243:9	153:10 177:11	58:4 60:10
295:14 297:21	245:25 247:5	222:12,18	82:21 83:13
297:22 298:1,3	247:13 305:9	223:6,18	94:8 102:25
302:22 314:15	305:20 306:4	250:16 267:24	118:21 130:22
says 15:24 16:8	306:18 307:10	315:18	135:24 153:8
21:4 61:5 63:9			156:14,17,21
-	•	•	

[second - sensitivity]

J	-		
157:1,5 160:7	110:9,14	287:7 288:10	298:4,10,15
161:6,13	111:19 112:15	292:17 299:11	semantic
162:11,20	115:25 117:2	302:20,24	133:18 134:13
167:23 171:6	118:5 119:17	307:3,16 310:6	138:18
175:21 178:21	119:20 120:22	311:23 313:24	semantics
179:13 181:25	125:6,6,7 126:4	seeing 66:6	128:13 129:15
182:19 186:7,9	127:1 131:5	100:25 296:25	133:18 138:14
186:20,20	132:12,19	seeking 6:10,15	139:5,8 145:17
190:14 198:21	137:19 140:6	205:4,18	152:4
204:13 221:14	143:22 144:6	221:19	semester 19:1
223:3 262:6	147:17 148:3	seem 157:2	semester's 19:2
269:18,20,21	153:6,19	245:24 274:2,3	seminary 2:11
269:22 282:20	155:10,15	274:4	send 64:2 66:11
285:17,18	158:20 161:17	seemed 87:8	98:9,14 110:20
286:8 303:22	164:18 165:3	seen 34:23	110:21 121:9
304:15	165:19 167:19	60:21 65:15	143:22 299:10
section 85:23	170:12,14	94:24 167:10	sending 126:18
143:4 163:1,9	171:25 178:12	210:16,17	280:11
171:17 183:21	179:21 180:14	264:5 269:12	senior 16:8,11
190:4,11	180:18 181:20	269:15 275:14	16:25
191:10 193:14	186:13 213:8	285:11 286:2	sense 8:21 10:6
203:3,22	213:10,25	sees 66:5	30:9 42:16 47:1
206:11 281:18	214:15 215:4	110:10	54:5 72:3 74:1
290:3 292:17	217:22 218:1,8	segment 51:17	93:4 149:7
sections 19:13	219:7,11 220:8	segments 51:20	219:22 261:15
see 8:12 11:11	224:16 225:23	selective 59:19	277:18 279:2
13:22,23,23	235:7 239:4	179:7 180:20	304:25 307:9
15:23 25:16	240:17 241:2	self 254:8,20	314:17
26:20 32:25	258:20 260:9	255:2	sensitive 63:5
43:21 50:11,13	260:15 264:20	sell 232:7,8,10	112:20 253:23
50:16,19 53:7	268:1,5 270:17	232:24,25	256:8 273:6
54:22 58:18	271:7,11	262:18 310:22	296:13 313:25
76:9 77:20 84:9	275:14,18,19	sem 286:19,20	sensitivity
87:14 95:1,3	276:18 281:21	286:21 287:8,9	62:16,25
97:2,11 99:5,18	282:5 284:19	296:23 297:2	110:24 150:1
99:24 102:13	285:10,13	297:14,19,21	163:22 164:2

Document 33115-4 PageID: 231900

[sensitivity - silos]

164:14,24	serves 31:3	shift 298:14	sic 129:14
165:6,15,22	service 17:5,10	short 63:19	169:14
166:1 167:2	23:9 29:8 30:17	67:25 211:16	side 8:25 9:2,19
255:9 313:21	81:3 122:10	265:15 267:7	64:21 65:6,8,17
sent 67:21	136:8	shortage	65:19 75:17
299:2,4	set 9:18 62:23	215:22	96:9 149:13
sentence 43:2,6	65:11 133:14	shorter 49:21	151:22 200:17
43:18 125:17	149:14 151:12	shortly 18:19	sidetracked
128:19 130:22	229:2 300:18	176:19	200:17
131:2,14,15	sets 9:18 14:21	show 9:12 49:2	sieve 61:25
132:16,18,20	65:22 88:3	66:6 111:22	sieves 313:21
134:20 258:8	296:15	112:4 124:4	sift 217:3,5
258:16 312:1,3	setting 49:13	142:14 143:16	219:15
sentences	184:19	143:21 144:3	sign 161:12
208:10 312:3	settled 261:1	167:9 172:6	217:7 218:10
sentinel 84:18	seven 51:23	198:5 226:5	signal 121:9
85:3	52:3 165:21	230:24 246:20	signature 46:21
september 7:15	307:19	247:18,19	317:12 318:19
285:6 290:21	seventh 8:18	267:18 272:20	signed 219:12
series 86:6	several 197:11	284:21 291:1	significance
125:20 314:4	198:19 252:11	307:20	96:23 194:25
serious 194:9	299:25	showed 243:21	significant
205:15 207:3	severe 291:5	246:1,25 247:2	75:14 180:15
271:17 279:8	shape 114:5	247:4	181:19 195:12
312:20	shaped 201:9	shower 188:18	198:6,6 206:7
serous 205:15	share 208:13,14	188:18	216:17 251:22
serpentine	shared 65:16	showing 155:2	252:2,10
125:20,21	sharko 3:23	shown 224:13	311:19
129:20 144:16	sheet 10:21	283:8	silicate 125:19
159:8 172:7	12:3 52:20	shows 111:23	291:18 292:16
176:7,8 270:7	104:2,3 119:3	244:3 251:8	292:24,25
270:14	266:8 273:14	273:23	silicates 264:14
servant 241:15	sheets 9:11,16	shred 187:14	silicon 292:6,23
242:13,16	10:10,14,16	187:18 188:7	silly 279:5,6
served 15:1	65:3 124:24	188:17,21,22	silos 274:6
	156:6		
	1	•	1

[similar - sort] Page 65

	I		
similar 159:15	161:6,9,16	132:24 165:2,4	278:1
224:13	165:12 171:10	size 9:21 11:21	somebody's
similarly 69:5	175:14 182:22	62:9 80:13	261:13
130:23 131:23	184:22 186:14	114:4 162:11	somewhat 72:8
132:24	186:19 190:8	264:25	soon 54:15
simple 165:21	190:14,16	slam 229:15	175:5
simply 192:21	191:6 199:23	sleep 202:13	sophisticated
210:22 291:17	207:10 208:8	slide 156:11,20	35:8 313:17
simultaneously	212:4,14,22	157:4 169:10	sorry 55:7 74:3
18:15 102:4,24	222:15 223:19	176:2,23,24	91:23 95:5,11
sir 9:3 11:2	224:1 239:17	177:14 178:1	95:12 119:15
12:6 13:23 14:8	243:1 246:21	267:17	120:14 148:14
14:13 16:2,16	249:12,13,16	slides 77:24	152:10 160:25
17:18 18:1 23:4	250:11 252:22	156:10 169:15	173:9 175:13
23:18,25 25:25	255:24 257:5	176:25	177:3 183:24
26:14 31:1 32:9	257:12 259:14	slight 16:21	184:2 187:3
42:25 43:17	260:1,5 265:23	slightly 99:5	200:4 204:21
46:11 47:2	266:24 268:2,7	slurred 270:11	207:9 208:4,8
50:14,19,20	270:6 274:12	small 153:5	209:16 210:20
51:5 56:10	282:18 284:7	195:12 198:5	218:12 223:5
57:25 65:19	288:4 295:18	268:1 311:18	226:17,18
68:12 72:9 78:1	303:11 308:8	smoothly	231:1 238:20
80:3,25 81:6,10	316:4	264:15	241:10 247:3
81:13,22 83:7,9	sit 13:2 36:11	society 6:20	249:7 251:2
87:22 94:11	54:9 57:16	221:1 240:5,11	262:8 270:11
106:7 110:7,13	98:17 111:17	241:25	275:9 280:6,9
111:10 113:11	137:25 188:23	sold 229:17,22	286:13 288:8
118:20,21	221:7 289:1	235:14,19	295:9 301:17
127:3 128:17	307:6	solely 268:17	308:1,6
128:25 129:9	sitting 28:25	solitary 56:25	sort 12:4 35:1
129:11 132:11	157:21 174:10	56:25	58:10 59:10,11
133:25 134:7	situated 263:23	solve 119:25	59:14,19 62:22
134:14 135:20	six 51:22 52:3	solving 121:20	85:18 90:19
136:24 144:19	54:3 56:21 88:3	somebody	92:12 164:9
155:15,22	127:5 128:21	66:19 119:23	184:16 209:5
159:13,16,25	130:23 131:24	157:14 276:20	275:13 300:23

[sorting - statement]

	I	I	
sorting 101:16	specifications	spouse 53:1	84:3,6 87:23
sound 17:7 55:1	80:14 162:4	spring 25:6	123:1 172:15
source 122:17	specificity	30:2 51:8 53:21	175:20 190:9
sources 88:7	149:25 163:20	54:11 80:20	228:6
169:18	164:3,24	85:4	started 30:16
south 2:16	165:15	staff 13:12 96:2	86:25 156:23
spalding 3:16	specifics 93:19	96:6 314:24	192:4 211:9
special 258:21	195:22	stage 28:10	216:3 272:8
260:10 304:18	specs 62:2	313:6,12	starter 90:19
306:1	123:11 264:24	stain 77:22	90:23
specific 25:1	speculate 24:23	stained 77:24	starting 172:1
35:2,19 36:4	speed 20:16	stand 238:23	183:11 193:14
39:1,5,16 56:13	spelled 266:8	standard 51:11	starts 30:2
70:16 74:19	spend 9:4 45:5	51:13 201:1,2	127:1 182:12
85:2 111:7	73:13 78:4	203:24 205:19	190:5 248:22
122:16 125:8	127:16 128:10	209:22 210:8	state 1:12 26:11
144:10 162:17	128:11 139:18	226:14 229:2	28:19 29:15
163:13 181:5	198:7	232:23 263:16	38:18 41:2,5
192:3 223:25	spent 52:17,21	268:20 269:1,6	110:25 113:12
227:4,10 291:4	53:19 54:11	280:25 281:8	117:6 208:16
296:12	57:6 80:11	282:7	212:5,15
specifically	86:21 135:23	standards	233:23 317:7
13:9 53:24	139:17 293:12	31:11 32:2	318:25
71:20 74:8	313:8	43:12,16	stated 41:10,13
101:10 112:13	sperry 186:22	226:20,21	42:12 44:11
117:9 127:17	187:2,10	242:19 258:21	209:17 212:15
184:15 194:3	sphere 183:19	260:10,18,21	243:14 283:3
197:13 213:18	spike 165:5	standing 286:9	statement
220:22	spiked 165:1	standpoint	16:22 32:18,24
specification	spiral 14:24	194:13	34:14 36:2,3,6
5:20 153:13	spoke 183:14	stands 38:7	36:23 41:16
155:6,13	sponsorship	starch 310:16	44:24 58:18
262:22,24	241:22	311:14,22	112:14 127:9
263:5 268:16	sport 255:2	start 13:18 14:1	127:13,14,17
268:19	spot 294:16	14:1 29:23	130:12 132:19
		80:19 83:25	132:23 208:18
	1	1	

[statement - substantially]

208:22,24 stay 107:25 striking 243:20 stumbled 85:19 226:9 228:24 197:12 strong 75:5,12 stumped 92:10 230:15,21 staying 40:9 strongly 116:1 stubject 7:12 248:11,12 317:10 strongly 116:1 stubject 7:12 248:11,12 step 232:9 steroutire 38:8,11 73:15 92:16 109:12 236:5 stephen 304:6 students 165:14 168:15 183:5 statements 183:9 314:5 74:3 79:13,21 285:2 301:20 stbjective 100:20 108:25 302:5 179:2,24 311:4 subjective 109:17 140:2 stick 287:2 39:17,24 subjective 239:12 244:16 stick 287:25 stopilate 83:16 studies 102:23 216:5,9 34:49:22 242:12 stopy 74:4 207:9 story 183:2 147:18 191:11 subscribed 13:4 296:22 283:2 stories 109:25 stories 109:25 179:14 194:14<		T	Γ	
230:15,21	· ·			
231:13 233:9 248:11,12 317:10 structure 38:8,11 73:15 25:13 253:13 step 232:9 216:13 291:22 92:16 109:12 38:8,11 73:15 236:5 stephen 304:6 stephen 70:22 students 165:14 168:15 183:5 236:5 stephen 205:12 studied 39:15 74:3 79:13,21 285:2 301:20 stick 287:25 302:5 179:2,24 311:4 studies 10:2,2 239:21 244:16 248:8,12 stick 287:25 stophed 18:16 240:7,13 250:2 240:7,13 250:2 240:7,13 250:2 282:2 stophed 18:16 29:7 143:24 stophed 18:16 29:7 143				_
248:11,12 317:10 structure 38:8,11 73:15 251:13 253:13 step 232:9 216:13 291:22 92:16 109:12 307:25 311:24 stephen 304:6 stephen 15:1 151:1 155:8 statement's stepped 70:22 students 165:14 168:15 183:5 236:5 steps 111:22 studied 39:15 216:9 227:5 44:15,21 steven 205:12 88:20,25 107:3 subjective 100:20 108:25 302:5 179:2,24 311:4 109:17 140:2 stick 287:25 239:17,24 submission 248:8,12 stickling 31:23 studies 10:2,2 submission 248:8,12 stipulation 198:5,24 199:1 102:23 216:5,9 31:4 stop 74:4 207:9 study 12:13,13 318:21 240:7,13 250:2 stopped 18:16 29:7 143:24 study 12:13,13 318:21 statistical stories 109:25 179:14 194:14 subsection 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 statustically 185:22 262:3 289:19 308:13 308:17	230:15,21	staying 40:9	107:20 115:22	•
251:13 253:13 307:25 311:24 stephen 304:6 statement's statement's 236:5 stephen 304:6 stepped 70:22 steps 111:22 steven 205:12 183:9 314:5 291:25 300:13 students 165:14 168:15 183:5 168:15 183:5 216:9 227:5 285:2 301:20 steven 205:12 100:20 108:25 302:5 179:2,24 311:4 studied 39:15 248:8,12 stick 287:25 239:17,24 311:4 store 16:22 239:17,24 stick 287:25 239:17,24 311:4 store 16:22 248:8,12 stipulate 83:17 stipulate 83:17 states 1:1 6:22 stoped 18:16 29:7 143:24 store 18:16 29:7 143:24 store 18:16 29:7 143:24 store 19:25 240:7,13 250:2 stoped 18:16 29:7 143:24 store 19:25 273:1,4 276:22 283:2 184:21 185:17 225:22 278:16 store 19:12 283:10 31:18 status 22:24 317:14 store 1:10 317:4 status 22:24 317:14 23:21 status 20:19 statute 200:19 209:3,20,25 311:10,12,14 20:6 statutes 31:9 40:6 3:11 8:18 store 144:14 stotutory 84:13 strength 144:14 stotutory 84:13 streng	231:13 233:9	stenographic	strongly 116:1	subject 7:12
307:25 311:24 stephen 304:6 291:25 300:13 151:1 155:8 statement's stepped 70:22 students 165:14 168:15 183:5 236:5 steps 111:22 studied 39:15 216:9 227:5 statements 183:9 314:5 74:3 79:13,21 285:2 301:20 44:15,21 steven 205:12 88:20,25 107:3 subjective 100:20 108:25 302:5 179:2,24 311:4 109:17 140:2 stick 287:25 239:17,24 submission 239:21 244:16 sticking 31:23 studies 10:2,2 46:16 248:8,12 stipulate 83:17 studies 10:2,2 46:16 248:8,12 stipulation 198:5,24 199:1 102:23 216:5,9 307:11 311:18 submitted 144:9 224:2,12 stopped 18:16 57:15 76:18 subscribed 13:4 282:2 29:7 143:24 80:12 165:18 182:12 statistical 185:22 262:3 199:14 194:14 199:21 15:12 283:6 status 22:24 185:22 262:3 </td <td>248:11,12</td> <td>317:10</td> <td>structure</td> <td>38:8,11 73:15</td>	248:11,12	317:10	structure	38:8,11 73:15
statement's stepped 70:22 students 165:14 168:15 183:5 236:5 steps 111:22 studied 39:15 216:9 227:5 statements 183:9 314:5 74:3 79:13,21 285:2 301:20 44:15,21 steven 205:12 88:20,25 107:3 subjective 100:20 108:25 302:5 179:2,24 311:4 109:17 140:2 stick 287:25 239:17,24 submission 239:21 244:16 sticking 31:23 studies 10:2,2 46:16 248:8,12 stipulate 83:17 studies 10:2,2 46:16 248:8,12 stipulation 198:5,24 199:1 102:23 216:5,9 31:24 84:18 stop 74:4 207:9 study 12:13,13 318:21 240:7,13 250:2 stopped 18:16 57:15 76:18 subscribed 13:4 28:22 29:7 143:24 80:12 165:18 subsection 194:25 273:1,4 story 183:2 179:14 194:14 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequently 31:18 status 22:24<	251:13 253:13	step 232:9	216:13 291:22	92:16 109:12
236:5 steps 111:22 studied 39:15 216:9 227:5 statements 183:9 314:5 74:3 79:13,21 285:2 301:20 44:15,21 steven 205:12 88:20,25 107:3 subjective 100:20 108:25 302:5 179:2,24 311:4 109:17 140:2 stick 287:25 239:17,24 submission 239:21 244:16 sticking 31:23 studies 10:2,2 46:16 248:8,12 stipulate 83:17 147:18 191:11 submitted states 1:1 6:22 stipulation 198:5,24 199:1 102:23 216:5,9 7:5 31:24 84:18 83:16 307:11 311:18 subscribed 13:4 144:9 224:2,12 stopped 18:16 29:7 143:24 80:12 165:18 subscribed 13:4 194:25 273:1,4 stories 109:25 179:14 194:14 subsequent 15:12 283:6 subsequent 195:12 283:10 284:10,14 308:17 309:1 subsequent status 22:24 317:14 stotx <th< td=""><td>307:25 311:24</td><td>stephen 304:6</td><td>291:25 300:13</td><td>151:1 155:8</td></th<>	307:25 311:24	stephen 304:6	291:25 300:13	151:1 155:8
statements 183:9 314:5 74:3 79:13,21 285:2 301:20 44:15,21 steven 205:12 88:20,25 107:3 subjective 100:20 108:25 302:5 179:2,24 311:4 109:17 140:2 stick 287:25 239:17,24 submission 248:8,12 stipulate 83:17 studies 10:2,2 46:16 248:8,12 stipulation 198:5,24 199:1 102:23 216:5,9 7:5 31:24 84:18 83:16 307:11 311:18 submitted 144:9 224:2,12 stopped 18:16 307:15 76:18 subscribed 13:4 240:7,13 250:2 stopped 18:16 29:7 143:24 80:12 165:18 subsection 194:25 273:1,4 stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 195:12 283:10 284:10,14 308:17 309:1 subsequently 131:18 stotz 1:10 317:4 308:17 309:1 subset 57:21 statute 200:19 311:10,12,14 221:9 24:3 statute 200:19 311:15 stuff 15:11 substance	statement's	stepped 70:22	students 165:14	168:15 183:5
44:15,21 steven 205:12 88:20,25 107:3 subjective 100:20 108:25 302:5 179:2,24 311:4 109:17 140:2 stick 287:25 239:17,24 submission 239:21 244:16 sticking 31:23 studies 10:2,2 46:16 248:8,12 stipulate 83:17 147:18 191:11 submitted states 1:1 6:22 stipulation 198:5,24 199:1 102:23 216:5,9 7:5 31:24 84:18 83:16 307:11 311:18 subscribed 13:4 144:9 224:2,12 stop 74:4 207:9 study 12:13,13 318:21 240:7,13 250:2 stopped 18:16 57:15 76:18 subscribed 13:4 282:2 29:7 143:24 80:12 165:18 182:12 statistical stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequent 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 status 22:24 317:14 67:14 80:11 <td>236:5</td> <td>steps 111:22</td> <td>studied 39:15</td> <td>216:9 227:5</td>	236:5	steps 111:22	studied 39:15	216:9 227:5
100:20 108:25 302:5 179:2,24 311:4 109:17 140:2 stick 287:25 239:17,24 submission 248:8,12 stipulate 83:17 147:18 191:11 submitted states 1:1 6:22 stipulation 198:5,24 199:1 102:23 216:5,9 7:5 31:24 84:18 83:16 307:11 311:18 subscribed 13:4 144:9 224:2,12 stop 74:4 207:9 study 12:13,13 318:21 240:7,13 250:2 stopped 18:16 57:15 76:18 subscribed 13:4 282:2 29:7 143:24 80:12 165:18 subsection 194:25 273:1,4 stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subsediaries status 22:24 317:14 67:14 80:11 24:3 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 <td>statements</td> <td>183:9 314:5</td> <td>74:3 79:13,21</td> <td>285:2 301:20</td>	statements	183:9 314:5	74:3 79:13,21	285:2 301:20
109:17 140:2 stick 287:25 239:17,24 submission 239:21 244:16 sticking 31:23 studies 10:2,2 46:16 248:8,12 stipulate 83:17 147:18 191:11 submitted states 1:1 6:22 stipulation 198:5,24 199:1 102:23 216:5,9 7:5 31:24 84:18 83:16 307:11 311:18 subscribed 13:4 144:9 224:2,12 stop 74:4 207:9 study 12:13,13 318:21 240:7,13 250:2 stopped 18:16 57:15 76:18 subsection 282:2 29:7 143:24 80:12 165:18 182:12 statistical stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 status 22:24 317:14 57:14 80:11 24:3 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7<	44:15,21	steven 205:12	88:20,25 107:3	subjective
239:21 244:16 sticking 31:23 studies 10:2,2 46:16 248:8,12 stipulate 83:17 147:18 191:11 submitted states 1:1 6:22 stipulation 198:5,24 199:1 102:23 216:5,9 7:5 31:24 84:18 stop 74:4 207:9 study 12:13,13 subscribed 13:4 144:9 224:2,12 stop 74:4 207:9 study 12:13,13 subscribed 13:4 240:7,13 250:2 stopped 18:16 57:15 76:18 subsection 182:12 statistical stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 subset 57:21 subset 57:21 status 22:24 317:14 50:12 283:10 308:17 309:1 subsidiaries statute 20:19 strategy 309:14 179:2 211:3 146:10 195:7 24:3 statutes 31:9	100:20 108:25	302:5	179:2,24	311:4
248:8,12 stipulate 83:17 147:18 191:11 submitted 7:5 31:24 84:18 83:16 307:11 311:18 subscribed 13:4 144:9 224:2,12 stop 74:4 207:9 study 12:13,13 318:21 240:7,13 250:2 stopped 18:16 57:15 76:18 subscribed 13:4 282:2 29:7 143:24 80:12 165:18 subsection 182:12 statistical stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 stotz 1:10 317:4 studying 57:13 subsidiaries statute 20:19 311:10,12,14 221:9 146:10 195:7 209:3,20,25 311:10,12,14 21:1 55:10 92:19,20 170:3,5	109:17 140:2	stick 287:25	239:17,24	submission
states 1:1 6:22 stipulation 198:5,24 199:1 102:23 216:5,9 7:5 31:24 84:18 83:16 307:11 311:18 subscribed 13:4 144:9 224:2,12 stop 74:4 207:9 study 12:13,13 318:21 240:7,13 250:2 stopped 18:16 57:15 76:18 subsection 282:2 29:7 143:24 80:12 165:18 182:12 statistical stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 subset 57:21 subset 57:21 subset 57:21 subset 57:21 subset 57:21 subsidiaries 24:3 substance 58:9 statute 200:19 311:10,12,14 221:9 242:4 substances statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 substantial statutory 84:13 stren	239:21 244:16	sticking 31:23	studies 10:2,2	46:16
7:5 31:24 84:18 83:16 307:11 311:18 subscribed 13:4 144:9 224:2,12 stop 74:4 207:9 study 12:13,13 318:21 240:7,13 250:2 stopped 18:16 57:15 76:18 subsection 282:2 29:7 143:24 80:12 165:18 182:12 statistical stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 stotz 1:10 317:4 studying 57:13 subsidiaries statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 3:	248:8,12	stipulate 83:17	147:18 191:11	submitted
144:9 224:2,12 stop 74:4 207:9 study 12:13,13 318:21 240:7,13 250:2 stopped 18:16 57:15 76:18 subsection 282:2 29:7 143:24 80:12 165:18 182:12 statistical stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 stotz 1:10 317:4 studying 57:13 subsidiaries status 22:24 317:14 67:14 80:11 24:3 substance statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:	states 1:1 6:22	stipulation	198:5,24 199:1	102:23 216:5,9
240:7,13 250:2 stopped 18:16 57:15 76:18 subsection 282:2 29:7 143:24 80:12 165:18 182:12 statistical stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 stotz 1:10 317:4 studying 57:13 subsidiaries status 22:24 317:14 67:14 80:11 24:3 substance 58:9 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 242:4 210:2 311:10,12,14 221:9 242:4 substances statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial	7:5 31:24 84:18	83:16	307:11 311:18	subscribed 13:4
282:2 29:7 143:24 80:12 165:18 182:12 statistical stories 109:25 179:14 194:14 subsequent 194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 stotz 1:10 317:4 studying 57:13 subsidiaries status 22:24 317:14 67:14 80:11 24:3 23:21 straight 112:11 103:15 105:25 substance 58:9 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	144:9 224:2,12	stop 74:4 207:9	study 12:13,13	318:21
statistical 194:25 273:1,4 276:22 283:2stories109:25 183:2179:14 194:14 194:19 199:21subsequent 15:12 283:6statistically 195:12 283:10 311:18185:22 262:3 284:10,14 311:18289:19 308:13 308:17 309:1 308:17 309:116:4 258:19 subset 57:21status 22:24 23:21284:10,14 317:14308:17 309:1 317:14subsediaries subsidiariesstatute 200:19200:19 311:10,12,14 210:2311:10,12,14 311:1524:3 311:15 311:15146:10 195:7 221:9statutes 40:6 3:11 8:18 3:7,13 181:2131:10,12,14 3:7,13 181:2131:10,12,14 3:7,13 181:2131:10,12,14 3:7,13 181:21statutory 3:11 8:18 3:11 8:1833:7,13 181:21 3:7,13 181:2131:17	240:7,13 250:2	stopped 18:16	57:15 76:18	subsection
194:25 273:1,4 story 183:2 194:19 199:21 15:12 283:6 276:22 283:2 184:21 185:17 225:22 278:16 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 stotz 1:10 317:4 studying 57:13 subsidiaries status 22:24 317:14 67:14 80:11 24:3 23:21 straight 112:11 103:15 105:25 substance 58:9 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	282:2	29:7 143:24	80:12 165:18	182:12
276:22 283:2 184:21 185:17 225:22 278:16 subsequently statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 stotz 1:10 317:4 studying 57:13 subsidiaries status 22:24 317:14 67:14 80:11 24:3 23:21 straight 112:11 103:15 105:25 substance 58:9 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	statistical	stories 109:25	179:14 194:14	subsequent
statistically 185:22 262:3 289:19 308:13 16:4 258:19 195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 stotz 1:10 317:4 studying 57:13 subsidiaries status 22:24 317:14 67:14 80:11 24:3 23:21 straight 112:11 103:15 105:25 substance 58:9 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	194:25 273:1,4	story 183:2	194:19 199:21	15:12 283:6
195:12 283:10 284:10,14 308:17 309:1 subset 57:21 311:18 stotz 1:10 317:4 studying 57:13 subsidiaries status 22:24 317:14 67:14 80:11 24:3 23:21 straight 112:11 103:15 105:25 substance 58:9 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	276:22 283:2	184:21 185:17	225:22 278:16	subsequently
311:18 stotz 1:10 317:4 studying 57:13 subsidiaries status 22:24 317:14 67:14 80:11 24:3 23:21 straight 112:11 103:15 105:25 substance 58:9 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	statistically	185:22 262:3	289:19 308:13	16:4 258:19
status 22:24 317:14 67:14 80:11 24:3 23:21 straight 112:11 103:15 105:25 substance 58:9 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	195:12 283:10	284:10,14	308:17 309:1	subset 57:21
23:21 straight 112:11 103:15 105:25 substance 58:9 statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	311:18	stotz 1:10 317:4	studying 57:13	subsidiaries
statute 200:19 strategy 309:14 179:2 211:3 146:10 195:7 209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	status 22:24	317:14	67:14 80:11	24:3
209:3,20,25 311:10,12,14 221:9 242:4 210:2 311:15 stuff 15:11 substances statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	23:21	straight 112:11	103:15 105:25	substance 58:9
210:2 311:15 stuff 15:11 substances statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	statute 200:19	strategy 309:14	179:2 211:3	146:10 195:7
statutes 31:9 street 2:6,16,21 55:10 92:19,20 170:3,5 40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	209:3,20,25	311:10,12,14	221:9	242:4
40:6 3:11 8:18 93:7,13 181:21 substantial statutory 84:13 strength 144:14 230:8 264:18 12:17	210:2	311:15	stuff 15:11	substances
statutory 84:13 strength 144:14 230:8 264:18 12:17	statutes 31:9	street 2:6,16,21	55:10 92:19,20	170:3,5
, ,	40:6	3:11 8:18	93:7,13 181:21	substantial
114·18 strengths 265·2 305·22 substantially	statutory 84:13	strength 144:14	230:8 264:18	12:17
114.10 strengths 203.2 503.22 substantiany	114:18	strengths	265:2 305:22	substantially
195:22 212:17		195:22		212:17

[substantiate - swanson]

substantiate suggest 10:23 supports 116:8,11 186:1 190:19 226:17 172:19 190:20 suggesting 77:4 suppose 140:19 193:21 194:10 119:11,18 supposedly 256:16 195:14 197:3,7 123:14 150:8 sure 10:11	235:15 238:6 242:16 243:5 243:11 247:7 261:21 264:5 265:9 266:13 266:23 269:19 270:8,25
172:19 190:20 suggesting 77:4 suppose 140:19 193:21 194:10 119:11,18 supposedly 194:21 195:3,5 120:7,19 256:16	243:11 247:7 261:21 264:5 265:9 266:13 266:23 269:19
193:21 194:10 119:11,18 supposedly 194:21 195:3,5 120:7,19 256:16	261:21 264:5 265:9 266:13 266:23 269:19
194:21 195:3,5 120:7,19 256:16	265:9 266:13 266:23 269:19
, , , , , , , , , , , , , , , , , , , ,	266:23 269:19
195:14 197:3.7 123:14 150:8 sure 10:11	
,	270:8,25
197:16 198:2	
198:13 203:12 243:13 246:5 13:11 16:23	273:13,25
209:6 226:23 283:12 309:21 18:3 26:8,10	278:18 285:14
229:3,4,7 suite 2:11,21 27:15 28:15,21	285:19 288:13
substantiated 3:11 29:11 32:21	300:15 305:23
114:15,17 suited 252:17 34:2 39:19	308:9
199:16 200:10 253:10 255:14 41:20 43:22	surpass 269:1
200:12 201:18 summarize 48:21 49:7 53:9	surprising 9:24
202:15 205:25	surrounding
209:8 227:8,23 summarized 69:11,12,13	116:10
228:3,19,21 156:8 70:15,17 76:8	survey 127:23
290:9 summarizes 81:12,13 85:8	136:19 137:19
substantiating 156:12 87:2,4 95:14	145:22
201:14 summary 96:5,9 102:5	susan 3:23
substantive 157:12 241:16 107:2 112:22	susan.sharko
56:16 216:8,23 304:8 113:3 121:23	3:25
217:11 sunday 69:4,18 124:3 130:17	suspect 176:12
substitute supplier 35:17 131:11 142:12	190:24 192:13
262:2 38:13 145:5,14	suspicion
substituting suppliers 35:10 146:15,16	235:24
170:21 35:18 58:12 148:9,15 150:6	suzanne 1:10
succinct 123:19 59:13,17 61:6 150:19 153:7	63:18 64:3
suffice 157:21 262:18 300:17 160:21 161:19	130:15 168:8
sufficient 10:5 support 197:15 167:8 177:7	168:10 189:15
194:14 226:5 205:14 224:18 180:5 182:2,5	249:18 265:18
227:15 230:21	317:4,14
231:12 233:7 230:1 239:5 187:13 194:2	swanson
sufficiently 289:9 200:7 211:17	218:22,23
262:21 supported 212:10 218:12	238:25 253:19
228:1 222:14 231:7	263:10

[Swipe - taik]			1 age 07
swipe 89:7	272:21 278:25	132:24 142:6	264:14 268:16
swiping 91:22	278:25 281:24	155:9,24 160:3	268:21 269:9
switch 154:7	283:21 285:10	160:16 162:1	269:25 270:15
311:14	286:6,17 287:1	169:20 171:21	281:2 284:11
sworn 8:2	301:5 309:11	176:2,5 177:16	285:5 291:4,5
318:21	311:2,4	177:18 191:4	291:16,19,25
symposium	takeaway 61:14	192:8,13 193:2	292:14 295:1
239:11 305:8	taken 1:9,12	193:10,10	295:25 296:17
synched 27:17	64:9 113:1	194:15 199:14	297:13,14,24
system 59:2	189:24 202:3,5	203:5 205:5,15	298:11 302:6,9
108:9	211:18 223:14	206:4,14	302:19 303:7
t	265:25 299:18	207:19 211:23	304:7,14,21
t 4:8 5:3 6:3 7:3	306:12	212:17,20,25	306:10,16,21
165:1 317:1,1	talc 5:17 6:7,11	213:13,17,20	308:13,17
318:1,1	6:17 7:14 25:25	213:22 214:17	312:13
table 9:18	39:21 40:16	214:20 215:5,8	talca 5:10 141:4
121:10 143:22	44:1,7,17 56:20	220:21 221:1	talcs 262:19
308:2	60:16 61:8 62:3	224:7,13,21	talcum 1:4 39:3
tabulation	62:3 63:12	225:5 226:11	58:16 190:20
53:24	74:16,22 79:4,6	231:13 232:4	190:25 193:22
take 10:25	79:6,8,12,20	233:8 235:1,4	197:17 198:2
17:11 26:18	80:7,10 81:20	237:13,17	201:19 226:7
27:3 34:14	85:22 86:17	239:13 240:1,9	226:10 227:1
45:24 50:2	87:1,11,20	241:21 242:20	talcums 225:14
63:25 64:7	88:10,15 90:13	242:21 243:18	tale 6:16 221:20
66:20 74:2	90:18 91:19,20	244:3 247:25	talk 36:4 41:4
75:19 83:16	91:24 97:5	251:12,17,21	42:18 56:19
89:13 109:9	109:9 110:17	251:24 252:10	57:11 80:17
114:9 132:22	113:16,21	252:14,18	81:23 112:24
167:22 173:18	114:10 115:14	253:7,11 254:1	114:1 169:2
178:12 189:15	115:23 116:5	255:15,19	180:19 190:4
197:25 211:16	116:16 117:13	256:16 258:23	193:14 196:8
222:11 239:18	117:17 124:20	259:1,20,25	196:14 230:14
255:3 257:23	124:21 125:16	262:16,18,24	232:22 247:3
265:15,21	125:16 126:21	262:25 263:6	255:6 290:24
200.10,21	130:23 131:23	263:24 264:10	

[talked - tested] Page 70

talked 21:11 taught 19:16 157:22 165:8 tensile 144:14 97:4,5 122:4 164:23 165:14 168:5 186:8,19 187:5,17 189:3 term 56:13 229:9 230:11 taylor 219:14 189:3 191:12 68:17 97:20 250:6 267:3 219:20 204:23 228:17 119:1 122:15 270:14 278:6 te 250:14 248:4,7 275:23 127:5 128:20 279:14 296:23 teach 18:24 279:7 307:8 130:8 131:20 314:23 19:11,13 311:8 312:2 138:14 145:20 43:14 38:5 80:5 teacher 19:11 123:19 189:7,9 278:18 83:20 103:19 18:25 19:5,8,19 189:10 306:15 terminology 162:24 180:4 20:18 78:24 112:10 130:3 149:6 181:3 183:3,10 technical 156:16,17,23 terms 92:16 133:13 120:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 298:11 300:9 270:20,24 15:12 213:18 218:14 292:17 297:10 182:6				
183:8 208:10 254:8,20 187:5,17 189:3 term 56:13 229:9 230:11 219:20 204:23 228:17 119:1 122:15 270:14 278:6 te 250:14 248:4,7 275:23 127:5 128:20 279:14 296:23 teach 18:24 279:7 307:8 130:8 131:20 314:23 19:11,13 311:8 312:2 138:14 145:20 talking 30:4 164:23 telling 117:4 147:10 214:12 35:14 38:5 80:5 teacher 19:11 teaching 18:7 189:10 306:15 terminology 162:24 180:4 20:18 18:25 19:5,8,19 28:22 128:12 28:22 128:12 183:18 206:11 120:11 156:16,17,23 terms 92:11,12 130:3 149:6 182:7:12,22 29:17 297:10 182:6 186:18 149:23 151:11 227:21,22 29:13 30:9 270:20,24 151:12 255:10 266:21 technology 271:5,17,21 test 10:2 13:21 268:8 291:15 telephone 274:21 275:15 58:15 62:18 266:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:2				
229:9 230:11 taylor 219:14 189:3 191:12 68:17 97:20 250:6 267:3 219:20 204:23 228:17 119:1 122:15 270:14 278:6 te 250:14 248:4,7 275:23 127:5 128:20 279:14 296:23 teach 18:24 279:7 307:8 130:8 131:20 314:23 19:11,13 311:8 312:2 138:14 145:20 talking 30:4 164:23 telling 117:4 147:10 214:12 35:14 38:5 80:5 teacher 19:11 123:19 189:7,9 278:18 83:20 103:19 18:25 19:5,8,19 telm 73:22 28:22 128:12 103:20 130:6 18:25 19:5,8,19 tem 73:22 28:22 128:12 162:24 180:4 20:18 78:24 112:10 130:3 149:6 181:3 183:3,10 technical 156:16,17,23 149:23 15:1 20:11 157:7 169:13 92:16 133:13 20:11 157:7 169:13 149:23 15:11 227:21,22 298:11 300:9 270:20,24 15:12 253:2,4 255:8 82:22 272:2	· · · · · · · · · · · · · · · · · · ·		Í .	tenure 213:17
250:6 267:3 219:20 204:23 228:17 119:1 122:15 270:14 278:6 te 250:14 248:4,7 275:23 127:5 128:20 279:14 296:23 teach 18:24 279:7 307:8 130:8 131:20 314:23 19:11,13 311:8 312:2 138:14 145:20 talking 30:4 164:23 telling 117:4 147:10 214:12 35:14 38:5 80:5 teacher 19:11 123:19 189:7,9 278:18 83:20 103:19 18:25 19:5,8,19 189:10 306:15 terminology 162:24 180:4 20:18 78:24 112:10 130:3 149:6 181:3 183:3,10 technical 156:16,17,23 terms 92:11,12 183:18 206:11 120:11 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 15:11 227:21,22 298:11 300:9 271:5,17,21 test 10:2 13:21 253:2,4 255:8 88:22 272:2,4,6 58:15 62:18 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 tell 9:23 13:7 280:25 283:7 <	183:8 208:10	254:8,20	187:5,17 189:3	term 56:13
270:14 278:6 te 250:14 248:4,7 275:23 127:5 128:20 279:14 296:23 teach 18:24 279:7 307:8 130:8 131:20 314:23 19:11,13 311:8 312:2 138:14 145:20 talking 30:4 164:23 telling 117:4 147:10 214:12 35:14 38:5 80:5 teacher 19:11 123:19 189:7,9 278:18 83:20 103:19 teaching 18:7 189:10 306:15 terminology 103:20 130:6 18:25 19:5,8,19 tem 73:22 28:22 128:12 181:3 183:3,10 technical 156:16,17,23 terminology 183:18 206:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 214 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 test 10:2 13:21 28:25:10 266:21 technology 271:5,17,21 test 10:2 13:21 268:8 291:15 88:22 277:24,6 58:15 62:18 296:16,17 69:12 275:24 279:15 164:17,12,13 <	229:9 230:11	taylor 219:14	189:3 191:12	68:17 97:20
279:14 296:23 teach 18:24 279:7 307:8 130:8 131:20 314:23 19:11,13 311:8 312:2 138:14 145:20 talking 30:4 164:23 telling 117:4 147:10 214:12 35:14 38:5 80:5 teacher 19:11 123:19 189:7,9 278:18 83:20 103:19 teaching 18:7 189:10 306:15 terminology 162:24 180:4 20:18 78:24 112:10 130:3 149:6 181:3 183:3,10 technical 156:16,17,23 terms 92:11,12 183:18 206:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 268:8 291:15 telphone 274:21 275:15 163:17,20 268:8 291:15 419:23 13:7 280:25 283:7 164:14,15 308:	250:6 267:3	219:20	204:23 228:17	119:1 122:15
314:23 19:11,13 311:8 312:2 138:14 145:20 talking 30:4 164:23 telling 117:4 147:10 214:12 35:14 38:5 80:5 teacher 19:11 123:19 189:7,9 278:18 83:20 103:19 teaching 18:7 189:10 306:15 terminology 103:20 130:6 18:25 19:5,8,19 tem 73:22 28:22 128:12 162:24 180:4 20:18 78:24 112:10 130:3 149:6 terms 92:11,12 183:18 206:11 120:11 157:7 169:13 92:16 133:13 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 test 10:2 13:21 255:10 266:21 technology 271:5,17,21 test 10:2 13:21 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7	270:14 278:6	te 250:14	248:4,7 275:23	127:5 128:20
talking 30:4 164:23 teacher 19:11 123:19 189:7,9 278:18 83:20 103:19 teaching 18:7 189:10 306:15 terminology 103:20 130:6 18:25 19:5,8,19 78:24 112:10 130:3 149:6 181:3 183:3,10 technical 156:16,17,23 terms 92:11,12 183:18 206:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 255:10 266:21 tectonic 173:2 272:2,4,6 58:15 62:18 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 tell 9:23 13:7 280:25 283:7 164:14,15 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 41:18 242:7 84:11 87:11 40:24 176:18	279:14 296:23	teach 18:24	279:7 307:8	130:8 131:20
35:14 38:5 80:5 teacher 19:11 123:19 189:7,9 278:18 83:20 103:19 teaching 18:7 189:10 306:15 terminology 103:20 130:6 18:25 19:5,8,19 tem 73:22 28:22 128:12 162:24 180:4 20:18 tem 73:22 28:22 128:12 181:3 183:3,10 technical 156:16,17,23 terms 92:11,12 183:18 206:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 15:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 255:10 266:21 tectonic 173:2 272:2,4,6 58:15 62:18 255:10 266:21 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 41:18 242:7 84:11 87:11 ten 286:18 176:18 177:15	314:23	19:11,13	311:8 312:2	138:14 145:20
83:20 103:19 teaching 18:7 189:10 306:15 terminology 103:20 130:6 18:25 19:5,8,19 28:22 128:12 162:24 180:4 20:18 78:24 112:10 130:3 149:6 181:3 183:3,10 technical 156:16,17,23 terms 92:11,12 183:18 206:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 41:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 51:18,19 52:19 253:2 255:18 <td< td=""><td>talking 30:4</td><td>164:23</td><td>telling 117:4</td><td>147:10 214:12</td></td<>	talking 30:4	164:23	telling 117:4	147:10 214:12
103:20 130:6 18:25 19:5,8,19 tem 73:22 28:22 128:12 162:24 180:4 20:18 78:24 112:10 130:3 149:6 181:3 183:3,10 technical 156:16,17,23 terms 92:11,12 183:18 206:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:14,71 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 41:18 242:7 84:11 87:11 286:18 176:18 177:15 251:14 269:16 88:3 90:22 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 <	35:14 38:5 80:5	teacher 19:11	123:19 189:7,9	278:18
162:24 180:4 20:18 78:24 112:10 130:3 149:6 181:3 183:3,10 technical 156:16,17,23 terms 92:11,12 183:18 206:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 41ls 242:7 84:11 87:11 165:6,10 166:1 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 51:18,19 52:19 253:2 255:18 <td>83:20 103:19</td> <td>teaching 18:7</td> <td>189:10 306:15</td> <td>terminology</td>	83:20 103:19	teaching 18:7	189:10 306:15	terminology
181:3 183:3,10 technical 156:16,17,23 terms 92:11,12 183:18 206:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 253:2,4 255:8 88:22 272:2,4,6 58:15 62:18 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 41ls 43:49:9 80:13,14,15 300:22 313:25 166:3,10,10,16 81:15,20 88:15 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 </td <td>103:20 130:6</td> <td>18:25 19:5,8,19</td> <td>tem 73:22</td> <td>28:22 128:12</td>	103:20 130:6	18:25 19:5,8,19	tem 73:22	28:22 128:12
183:18 206:11 120:11 157:7 169:13 92:16 133:13 207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 253:2,4 255:8 88:22 272:2,4,6 58:15 62:18 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 41ls 43:19 20:3 46:2 79:15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11	162:24 180:4	20:18	78:24 112:10	130:3 149:6
207:14 211:21 technique 175:4 176:22 143:4,18,20 213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 253:2,4 255:8 88:22 272:2,4,6 58:15 62:18 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 talks 43:19 80:13,14,15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11	181:3 183:3,10	technical	156:16,17,23	terms 92:11,12
213:18 218:14 292:17 297:10 182:6 186:18 149:23 151:11 227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 253:2,4 255:8 88:22 272:2,4,6 58:15 62:18 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 talks 43:19 20:3 46:2 79:15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9	183:18 206:11	120:11	157:7 169:13	92:16 133:13
227:21,22 298:11 300:9 270:20,24 151:12 233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 253:2,4 255:8 88:22 272:2,4,6 58:15 62:18 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 talks 43:19 20:3 46:2 79:15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9<	207:14 211:21	technique	175:4 176:22	143:4,18,20
233:2,3 235:13 technology 271:5,17,21 test 10:2 13:21 253:2,4 255:8 88:22 272:2,4,6 58:15 62:18 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 talks 43:19 80:13,14,15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9 <td>213:18 218:14</td> <td>292:17 297:10</td> <td>182:6 186:18</td> <td>149:23 151:11</td>	213:18 218:14	292:17 297:10	182:6 186:18	149:23 151:11
253:2,4 255:8 88:22 272:2,4,6 58:15 62:18 255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 talks 43:19 20:3 46:2 79:15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	227:21,22	298:11 300:9	270:20,24	151:12
255:10 266:21 tectonic 173:2 273:10,20,24 77:13 78:16 268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 talks 43:19 20:3 46:2 79:15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	233:2,3 235:13	technology	271:5,17,21	test 10:2 13:21
268:8 291:15 telephone 274:21 275:15 163:17,20 296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 talks 43:19 20:3 46:2 79:15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	253:2,4 255:8	88:22	272:2,4,6	58:15 62:18
296:16,17 69:12 275:24 279:16 164:1,7,12,13 308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 talks 43:19 20:3 46:2 79:15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	255:10 266:21	tectonic 173:2	273:10,20,24	77:13 78:16
308:10 312:17 tell 9:23 13:7 280:25 283:7 164:14,15 talks 43:19 20:3 46:2 79:15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	268:8 291:15	telephone	274:21 275:15	163:17,20
talks 43:19 20:3 46:2 79:15 300:5,7,8,11,16 165:6,10 166:1 81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	296:16,17	69:12	275:24 279:16	164:1,7,12,13
81:15,20 88:15 80:13,14,15 300:22 313:25 166:3,10,10,16 241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	308:10 312:17	tell 9:23 13:7	280:25 283:7	164:14,15
241:18 242:7 84:11 87:11 ten 286:18 176:18 177:15 251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	talks 43:19	20:3 46:2 79:15	300:5,7,8,11,16	165:6,10 166:1
251:14 269:16 88:3 90:22 tend 29:12 182:17 252:24 270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	81:15,20 88:15	80:13,14,15	300:22 313:25	166:3,10,10,16
270:9 291:19 92:18 93:6 51:18,19 52:19 253:2 255:18 291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	241:18 242:7	84:11 87:11	ten 286:18	176:18 177:15
291:24 304:9 94:22 96:5 53:6 106:9 256:25 259:11 309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	251:14 269:16	88:3 90:22	tend 29:12	182:17 252:24
309:4 103:9,15 110:9 tendency 259:19 263:7 taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	270:9 291:19	92:18 93:6	51:18,19 52:19	253:2 255:18
taped 10:15,20 110:10,11 101:24 270:9 272:17 task 68:17 111:18 112:8 tends 53:10 273:5 312:9	291:24 304:9	94:22 96:5	53:6 106:9	256:25 259:11
task 68:17 111:18 112:8 tends 53:10 273:5 312:9	309:4	103:9,15 110:9	tendency	259:19 263:7
	taped 10:15,20	110:10,11	101:24	270:9 272:17
104 1 5 1 4 1 1 1 5 1 4 1 1 1 5 1 4 1 1 1 5 1 5	task 68:17	111:18 112:8	tends 53:10	273:5 312:9
243:19 302:6 130:12 133:9 tenovus 194:1,5 tested 163:23	243:19 302:6	130:12 133:9	tenovus 194:1,5	tested 163:23
303:8 304:8	303:8 304:8	134:8 136:14	195:4 199:7	181:16 186:17
137:6 156:7 313:8		137:6 156:7		313:8

[testified - think]

Page 71

testified 8:3	268:17,23	182:9 238:21	22:15 23:18
22:18	269:1 270:13	250:19 266:24	27:25 29:2,3,4
testify 42:3	270:20 271:21	282:20 285:17	30:20,21,25
76:20 77:11	273:11 314:11	286:7 316:3	31:3,4 33:9,10
105:18 106:10	tests 78:6,9,24	theories 70:5	33:11 34:13
186:22	150:3 159:21	theory 276:21	36:16 37:15
testimonies	165:4,16	thereof 31:11	40:3 41:18
101:12	183:18 257:15	35:15	42:11 43:8,8
testimony	270:3 289:9	thereto 43:13	44:23 46:8 47:8
36:11 81:18	texas 3:6	thin 144:13	47:9 50:7 53:22
86:24 99:25	thank 11:24	thing 15:13	54:1,17,18 56:1
100:9,13 101:4	13:25 49:8	66:3 75:2 85:10	58:3 61:5,9,13
101:9,15,22	60:14 63:16	85:18 86:25	61:19,21,23
102:2,7 107:17	104:9 118:20	99:12 104:20	62:7 65:6 66:16
116:14 117:22	118:21 124:25	108:7 120:15	67:12 69:2,3
133:24 134:5,5	140:7,22	121:22 170:2	71:5 72:13
135:11,14	142:24 154:12	195:9,14	79:12,14,24
138:16 139:13	154:12,16,20	262:13 286:1,4	80:2 84:1,25
150:15 237:24	154:22 161:6	things 10:15	85:12,23 86:5
239:19 244:19	161:16 178:20	12:5,23 15:15	91:6 93:5 95:8
294:7 318:2	179:15 182:4,9	15:22 16:1,12	98:24 100:5,21
testimony's	182:22 187:3	20:7 27:15	100:24 103:24
237:11	190:14 212:11	28:21 29:16	104:3,4 105:19
testing 5:9	222:15 249:3	42:15 52:9 58:8	105:24 106:2,3
48:23 59:2	249:16 251:2	64:12 65:10	107:4,9,13,25
62:14 63:2 73:3	254:22 257:4	67:4 80:5	108:8,8,13,16
74:7 78:11	259:3 265:8,23	147:21 163:15	108:23 109:8,8
100:14 108:14	268:3 280:12	168:3 173:20	109:17,22,24
141:2 155:23	284:2 287:6	190:5,18	110:1,7,18
156:5,6,13	301:6 308:8	200:17 224:3	114:15 115:7,8
157:20 159:24	316:4,6	257:9 270:22	115:16,20
167:18 183:19	thanks 13:17	309:4 315:2	118:2,4,17
235:8,8 236:1,4	26:24 41:8	think 12:11	119:7 121:22
259:14,25	50:14 53:10	15:13,23,24	122:9,24 123:4
260:17,22	89:5 94:11	16:1,12 17:24	123:13,18
263:24 267:16	161:16 175:11	18:16 21:18	124:9,10
	1		

Document 33115-4 PageID: 231907

[think - tm7024]

Page	72
ıugu	' ' '

			_
125:10,12	266:22 267:3	threshold	307:3
128:17 129:2	270:23 271:1	113:15 294:25	time's 316:3
129:21 130:11	275:6,10,16,21	throw 271:12	timeframe
131:13,14	278:23 279:7	303:13	28:14
133:6,15,17	279:10,11	thumb 283:3	times 59:17
134:9,22,23	286:1,2,18	thumbnail	63:21 68:22
144:23 145:1	288:6 294:14	26:22	92:15 98:8
145:12 147:5	297:22 301:11	time 9:22 17:11	106:10 119:13
147:25 149:2	301:15 304:25	19:9 21:13 30:5	137:24 216:16
151:5,9,23	310:13 311:7	44:15,22 45:6	225:9 250:7
156:2,7,8	311:16 312:1	50:1 52:11,17	299:25
162:14,14	312:19,23	54:22 60:2 69:2	timing 112:19
164:25 168:9	313:1 316:2	71:20 73:14	tinto 156:10,10
169:9 172:3,5	thinking 11:20	80:11 86:20	156:12 157:4
173:8,16,16,17	55:15,18	92:9 93:18,19	157:13 167:20
178:4 179:24	184:19 315:2	96:4 97:17,23	169:5,8,14,15
180:1,9,9,14,21	third 43:10	110:3 115:13	176:2,25 271:4
180:23 181:18	103:22 104:5	115:19 123:5	271:6 272:5,7
185:21,21	thompson 2:4	136:11 139:9	273:19 299:1
188:9 189:14	69:4	139:17,18	tinto's 298:22
189:15 193:25	thoroughly	155:24 157:11	tisi 2:15
194:2,5,7,12,19	291:6	158:20 168:8	tissue 199:8
195:2 196:5	thought 36:8	170:5 183:10	tissues 302:9
198:11,23	36:19 79:19	189:18 199:13	titanium 5:17
199:5,5,8	87:22 152:13	208:21 210:5	142:5
200:15,20	206:19,20	212:20 215:15	title 161:24
201:8 211:15	208:4,5 210:18	220:16,20	162:25
215:18,20	230:6 237:22	221:10 222:23	titles 65:23
225:11 232:3	thousands	228:1 231:25	tm 167:7
236:23 241:1	60:16	233:8 237:9,24	tm7019 270:1
241:13 245:6	three 23:3,3	239:23 246:18	270:10,13
254:25 255:1	67:22 121:6	248:3 252:13	tm7024 155:14
255:20,22,23	158:20 190:18	253:5 261:6	155:18 157:22
255:23 256:3	266:22 267:2	265:11,19	159:6 269:17
257:14 259:6	272:21	272:2 281:24	269:24 272:10
266:8,14,17,19		283:2 287:1	279:14,19
	College To		

Document 33115-4 PageID: 231908

[tm7024 - turning]

282:8	topic 90:15	245:7,7,11,14	trouble 182:15
tobacco 70:11	190:3 215:16	246:4,16	204:24 248:21
214:13 216:3,4	295:12,13	247:19 248:7	troublesome
216:16	topics 83:19	316:9,11 317:9	109:18
today 8:16 13:3	tort 39:24	317:22 318:3	true 47:20,22
28:25 36:11	total 50:18,21	transcripts	254:16 317:9
54:9,12 57:5,16	53:11 93:15	81:17 98:2 99:9	318:3
80:20 98:17	181:15 266:22	100:19	truthfully
112:1 152:13	totality 63:6	transformative	234:11,13
174:10 197:9	117:8,10 118:3	293:16	try 50:8 54:25
250:7 289:1	174:2 191:8	translate	136:24 137:2,3
307:6 316:1	203:15 310:5	172:16	137:4,5 183:6
today's 68:22	totally 63:22	translocate	222:17,21
68:23 69:9,16	totals 50:23	224:14,22	246:15
together 47:12	touch 221:24	transmission	trying 18:9
53:15 63:6	toward 39:23	155:21 157:24	21:21 23:18
68:15 86:4	40:3	158:12 253:17	54:23 57:13,24
111:22 150:25	toxicity 225:4	254:1,13,17	58:1 66:22
314:1	toxicological	255:4,7 260:25	67:24 89:21
toggle 282:14	71:11,21	273:15 300:4	100:13 108:9
toiletries	toxicology 6:21	transposed	109:20 114:21
241:23	240:6,12	267:8	119:24 134:4
told 174:25	241:18,25	tremolite	152:5 172:13
196:16 201:6	tpg 16:9,20,25	125:24 127:8	184:16 208:7
235:2	tpg's 16:24	128:24 159:10	242:14 249:9
took 13:10	trace 288:1	263:2 292:19	275:13 291:12
65:15 75:21	track 35:3	292:23	291:12 293:9
124:6,8 171:19	52:16 182:3	trial 22:18	turn 14:15
171:19,19	tracks 83:8	81:17 86:3	52:25 94:12
183:9 206:19	tract 224:23	87:21 99:25	118:19 181:24
206:21 262:14	trade 61:7	100:8,12,19	182:11 190:6
273:5	trained 73:20	101:4 102:2	260:14 262:4,4
top 101:25	80:1	tried 101:7	turned 211:12
121:17 181:7	training 77:2	151:25 180:11	turning 287:14
190:2 269:20	transcript 7:23	180:22 244:8	308:4
303:7	100:12 244:9		

[twisting - unsensitive]

4	200.7	10.11 22.10	02.22 04.12 17
twisting 134:23	un 209:7	18:11 23:10	92:23 94:13,17
two 13:13 16:1	unambiguously	30:14,15,18	95:6,17 138:4
16:15,15,19	291:21	33:12 34:17	158:13 174:16
19:23 20:4,19	unanswered	37:15 39:2	211:8 227:12
22:8 24:7 37:15	191:20	54:14 68:1	289:1
52:14 56:15	unartfully	74:21 76:16	understands
68:17,17 75:13	91:25	77:14,15 79:7	149:3
128:10 168:2	unauthorized	89:21 91:24	understood
175:17,18	307:25	97:23 100:13	26:15 36:10
200:17 201:24	uncertainty	100:14,15	65:2 137:11
211:25 212:5	172:12	101:19 104:16	209:18 214:6
222:7,20	unclear 195:19	106:12 109:21	307:2
240:18 266:16	under 47:10	114:22 118:17	undertaken
272:9,21 305:4	77:22,22 114:2	121:2 129:17	40:15 41:21
306:4	114:9 121:10	134:4 139:8	undo 49:13
type 48:3	138:9 146:11	148:10 150:7	unexpected
109:13 144:10	147:12 149:10	170:24 171:11	224:19
173:23 269:17	149:11 155:12	172:22 195:16	unidentified
types 72:2	158:1 171:15	197:2 203:2	27:6
300:8	191:23,23	211:4 226:8	unique 144:11
typical 215:15	192:18 196:25	232:4 238:6	144:14 170:2
typos 267:7	200:18 202:8	271:9,19	291:22,24
u	227:17 236:3	289:11,13,19	united 1:1 6:22
u.s. 241:4,22	237:20 263:7	298:16,19	7:5 240:6,13
300:10	274:12 275:25	299:20 306:23	250:1
ucsf 19:7,21	281:8 308:2	312:11,21	units 292:5
20:21 21:12	317:23	313:4 315:21	universe
uh 202:21	undergraduate	understanding	237:18
	73:22	17:4 35:24	university 18:4
258:3,3,3,3 ultimate 115:7	underlying	41:19 54:8 65:8	18:14
	86:7 288:10	70:19,23,25	unknowns
147:24 300:13	289:18	71:6,16 72:11	180:24 181:2
ultimately	undermine	72:15 73:18,19	unnamed 28:6
55:11 89:15	195:7	74:18 75:3,6,18	unsensitive
91:21 149:17	understand	76:18 77:7,8,17	272:18
163:23 217:15	12:3 15:15	82:1 83:9 87:19	
L	1	I	1

[update - volume]

Page 75

_			
update 301:20	158:3,7,19	vague 51:14	vernon 308:10
updated 13:13	159:19 261:1	73:11 156:1,3	309:3,21
85:1	273:21,22,24	186:5	version 94:24
updates 15:14	275:24 282:7	valid 271:22	175:17
15:19	289:13 300:5	283:10	versions 169:9
upfront 39:18	312:9	validated 62:18	175:18,18
urine 77:19	useless 163:24	151:21	176:9
usc 115:2	165:7	validation	versus 158:10
use 17:25 27:21	uses 6:17	164:15,17	vicastinion
38:21 46:7	125:16 127:13	165:18	129:14
61:18 116:22	192:15 240:2,9	van 171:18,24	videoconfere
119:1 122:15	usgs 126:1	172:21 173:5	2:3,9,14,19 3:4
123:7 130:2	using 78:17	173:11	3:9,16,22
131:21 133:12	106:24 119:1,9	variability	view 35:7 79:24
134:20 138:1,4	122:18 126:3	110:22 164:4	109:2 133:19
138:13 150:11	128:12,13	298:23 299:6	135:3 139:9
156:12 158:4,5	129:4,7 131:19	varied 73:6	161:8 170:21
192:24 196:6,9	132:8 134:24	variety 12:5	173:17 193:20
196:10 218:7	136:16 145:20	144:10 169:17	203:12 216:17
253:23 256:7	146:18 205:20	282:3 283:5	226:3 230:18
272:16 286:9	263:2 274:4	various 59:16	276:7 297:16
298:14,17,18	278:18 283:14	67:9 77:24	310:23
310:25 311:1,5	291:6 310:24	101:12 151:1,2	viewed 37:12
313:25	usual 20:22	156:13 304:13	273:20
used 38:22	245:13	varying 196:20	viewing 297:15
58:23 63:5	usually 10:16	vast 87:8	violations
78:11 90:4	51:14 216:1	256:15	274:16
122:21 123:3,4	291:18	verbatim	virginia 2:11
123:5,10,11,12	utilized 63:1	245:11	virtually
126:3 128:5	137:22	verification	264:11
133:8 135:24	v	176:16	visits 180:23
136:2,10	v 2:15 8:1	vermont	visualize 221:8
137:23 138:9	vacation 18:10	109:10 115:23	vitae 4:11 14:4
145:24 147:16	vacation 18.10 vaccines 17:21	172:4 176:7	vitro 42:18
149:25 150:12	vaccines 17.21	180:8 298:14	volume 5:16
156:22 157:10		308:13,17	7:9 142:5 280:2
	College To		•

Document 33115-4 PageID: 231911

Document 33115-4 PageID: 231912

[volume - we've] Page 76

289:2	108:2 114:12	269:18 271:18	warp 20:16
volumes 99:12	114:12,13	272:17 276:21	watch 14:16
W	115:5 116:17	276:22 286:1	48:25
wait 41:11	116:18,20,23	289:8,10,11,17	way 8:11 18:16
246:22 247:22	116:24 117:2,7	293:11 294:10	28:1 35:1 51:19
269:18	118:13 120:25	299:22	54:20 55:20
waiting 177:7,7	122:14 128:10	wanted 27:15	79:2 86:21 89:4
182:10	130:17 131:21	27:15 29:19	90:2 91:16 92:2
waive 96:8	131:22 135:6	39:18 60:2	102:9 103:16
walk 9:22 10:4	137:15 140:9	64:12 84:9 87:3	117:6 128:18
83:20 89:2	141:14 142:12	87:14 88:19	130:6 133:25
187:14 287:12	143:5 145:2,16	96:4 100:14,15	145:16 162:15
walked 235:1	148:13 150:6	101:18,18	165:25 170:19
236:2,2	153:5 154:7,13	102:1,3 121:8	179:2 180:15
want 9:4 11:2	166:23 168:14	121:23 134:20	234:19,24
11:17 13:2	174:7,8 175:10	170:12 215:1	241:17 246:22
18:11 21:19	175:11 178:11	266:4,23	255:1 260:19
24:20 26:4	179:20 183:20	298:13 300:15	261:25 272:16
27:17,20 29:10	187:22 190:4,9	314:24	277:2 278:19
29:12,13,14,15	196:12 199:20	wanting 40:10	279:5 288:7,13
34:3,16 35:18	199:20 200:5,6	warned 224:5	293:4 296:10
36:3,5 37:7	202:25 204:13	warning 114:18	296:10,11
38:23 45:8 46:7	205:10 208:9	115:11 199:15	298:8 300:17
49:24 52:15	218:12 222:23	200:25 202:20	307:7 309:17
53:7 54:21	222:25 228:8,8	205:18,22	311:20,21
56:12,20 65:20	228:13,13,15	208:17,24	312:11 313:7
66:9 76:5,21	228:24 232:8	226:6,23 227:1	314:1 315:22
77:19 78:1	232:10 233:22	227:4,6,10,17	ways 61:21
80:19 87:9	236:15 243:4	227:20,24	67:14 88:5
88:19,24 89:9	243:11 246:19	228:2,20	149:25 222:20
89:10 90:22	249:2 253:23	229:16 230:11	we've 41:19
93:18 95:25	256:7,12 258:9	230:15,21	59:25 148:1
96:8,10 97:21	261:2,9,15	231:13 233:7,9	152:3,12
101:8 103:5,25	262:2 263:12	235:13 251:13	162:23 202:3,5
107:5,8,19,22	265:14 266:13	294:3	202:6,8 207:14
107.3,0,17,22	267:13,15,18		223:2 236:3
		•	•

[we ve - word]			1 age 77
265:12 267:3	whatsoever	123:24 124:23	261:9 264:2
299:25	213:20 220:15	126:12 129:2	265:10,16,23
weaknesses	239:20 302:21	131:6 132:5	271:25 274:23
195:22	302:23	133:25 135:12	277:8,15
webb 103:15	white 5:8	138:6,17	278:25 281:11
170:13 171:4	125:22 139:19	139:11,14	284:5 286:7
171:23 172:22	139:23 140:11	142:23 143:13	287:2 288:19
173:5,9,12	141:1 143:14	144:3,21 147:5	289:7 290:2
179:2	145:8,11 150:9	149:2 150:16	292:10 294:8
webb's 171:12	whlaw.com 3:7	153:23 154:5	295:9,14,18
website 81:19	whoa 269:18,18	154:10,15,20	298:3 303:22
81:21 87:1	wholly 268:19	154:22 156:2	303:25 304:3
90:13 97:5	william 260:15	160:24 161:5	306:15 308:1
week 19:5	williams 3:4	166:9 167:14	310:1 312:16
69:10,12,16	willing 112:18	168:14,20	316:4,13
weekend 68:20	309:17 310:10	170:14 173:4	318:19
69:5	windsor 65:13	174:21,25	witnessed
weekly 270:15	155:8 268:10	176:20 177:12	78:16
271:7	268:12,16,22	177:25 178:16	witnesses
weigh 11:5	269:8,9,25	179:11 181:9	231:25
weight 20:9	wise 112:19	182:15,19	women 224:15
welcome 66:11	withdrawn	183:17 184:9	305:16,20
120:25 146:19	21:9 44:10 56:5	185:2 186:6	women's
258:5	60:6 117:15	188:5 194:17	304:19 306:2,7
welfare 308:12	135:21	196:5 199:20	wonderful
went 16:9,10	witness 4:19	200:1 201:22	11:23 76:7
19:18 22:10,21	21:15 22:4	203:8 204:3,5	278:21
29:8 37:19 52:4	23:17 34:13	206:17 218:5	wondering 60:5
55:3,7,10 60:22	36:16 37:24	221:22 222:3	word 17:25
61:19 86:16	44:19 48:22	223:8 231:1,4	27:17,21 28:18
91:15 106:1	49:8,23 64:23	233:14 234:7,9	28:22 29:11
170:12,14,16	73:6 74:10	234:23 236:19	35:7 38:22,22
184:13 213:7	95:24 100:11	238:1,3 246:10	45:25 46:2,7
		050 10 050 16	56.20 70.12 15
214:14 219:6	104:1 105:4	250:18 253:16	56:20 70:13,15
214:14 219:6 298:13	104:1 105:4 107:18 117:23	250:18 253:16 254:12,22	70:17 84:18

[word - yeah] Page 78

106:24 116:22	252:15 253:8	worried 202:4	X
122:20 123:5,7	255:12 274:21	worries 152:11	x 4:1,8 5:1,3 6:1
129:13,17	worked 18:17	249:10 303:12	6:3 7:1,3 10:17
132:19 135:24	260:19 305:17	worry 227:9	291:23 297:7
136:2,4 137:5	305:17,18	267:16	
138:1,17 139:1	worker 56:25	worth 184:12	y
146:18,22	57:1	wrapped 52:9	yeah 9:4,9
156:3 163:9	workers 224:20	52:11	10:13 19:10
204:15,16	308:14,17	write 52:19	25:4,11,12 29:2
245:12 262:2	working 20:2,5	185:7 260:20	30:6 34:13
266:9 271:13	20:11 21:14	309:19,20	41:18 53:5
272:17 276:13	29:24 30:16	310:12	54:17 56:1,1
277:24 310:14	38:13 119:22	writer 136:5,22	60:11 93:24
310:25 311:1,1	121:24 140:11	writer's 133:7	105:11 107:18
311:5	143:6 145:8	writing 19:23	126:17 140:15
words 48:1	150:9,23	19:25 21:3	142:13,15,18
92:21,21	151:24 170:16	55:13,14,15,19	142:23 143:13
104:12 108:17	211:10 295:20	136:16 185:5	143:20 148:9
134:23 137:4	296:7,18	written 137:4	150:16,16
204:12 210:1	works 54:21	242:25 244:4	154:15 156:2
245:9 253:24	246:22	247:8	160:4,9,10
264:8 288:10	workshop	wrong 35:7	161:2,4 164:21
work 10:25	239:14,16,21	108:15 146:1	168:22 171:15
21:15 22:4 23:7	239:23 241:21	188:3,13	175:19,24
23:8 24:2,4	243:15 245:13	197:18 203:24	177:1,25
27:7 28:4,17	245:14,17	218:21 246:8	178:22 179:16
29:6,14,14,25	247:14,15	266:9 293:14	179:23 181:9
30:19 42:18	305:6	293:20 311:9	183:23 186:12
46:6,13,13,18	world 5:12 19:3	wrote 30:22	186:13 190:6
46:23 47:1 51:3	76:14 79:19,20	122:22 245:23	191:12 192:10
51:7,12,17,23	105:18,23	246:2 247:6,6	193:18,23
51:25 53:20	107:1,14 142:1	253:19 259:6	199:19 200:2
54:18,24 56:23	149:16 164:8	260:3	205:9 206:17
70:2,2 80:18,19	164:12 176:3,4		208:4 218:16
83:12 89:16	176:6 177:17		219:4 222:3
167:7 245:14	188:6 278:22		227:16 241:3

[yeah - zoom] Page 79

242:25 246:1 201:11 200	5:3,6
249:14 251:6 207:22 21:	3:8
253:16 254:1 225:4 275:	:19
269:21 280:16 309:15,24	
280:20 281:19 311:11,13	
285:16,17 yellow 94:2	25
287:7 288:19 95:17 96:1	6
293:6 299:22 yep 162:4	
303:25 304:3 182:18 22:	5:19
306:5 308:1 240:20,23	
310:13 241:9 259:	:10
year 21:20,22 259:13 26	7:21
22:19 24:9,21 269:23 282	2:22
25:6,9 27:4 283:25 30	1:6
51:8 53:21 yesterday	69:3
54:12 85:13 york 3:18,	18
103:2 115:13 z	
125:3 158:8 zeitz 308:1	<u> </u>
163:23 217:20 2612 306:1	
218:18 237:4 zeitz's 309	
278:16 282:23 zen 17:17	.22
287:3 zoom 8:11	10.3
years 17:22 49:3 161:8	
19:4 40:22 45:1	0,0,13
52:14 56:21	
61:15 63:5 92:6	
93:8,8 108:25	
109:17,23	
111:2,5,21	
124:6 126:3	
128:2,6 129:23	
133:18 136:17	
148:2 152:4	
158:5,11	
173:22 174:17	
113,44 117,11	

Federal Rules of Civil Procedure Rule 30

- (e) Review By the Witness; Changes.
- (1) Review; Statement of Changes. On request by the deponent or a party before the deposition is completed, the deponent must be allowed 30 days after being notified by the officer that the transcript or recording is available in which:
- (A) to review the transcript or recording; and
- (B) if there are changes in form or substance, to sign a statement listing the changes and the reasons for making them.
- (2) Changes Indicated in the Officer's Certificate. The officer must note in the certificate prescribed by Rule 30(f)(1) whether a review was requested and, if so, must attach any changes the deponent makes during the 30-day period.

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